



Developments in Steelmaking Capacity of Non-OECD Economies

*Les capacités de production
d'acier dans les économies
non membres de l'OCDE*



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2013**

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Please cite this publication as:

OECD (2014), *Developments in Steelmaking Capacity of Non-OECD Economies 2013*, OECD Publishing.
http://dx.doi.org/10.1787/steel_non-oecd-2013-en-fr

Merci de citer cet ouvrage comme suit :

OCDE (2014), *Les capacités de production d'acier dans les économies non membres de l'OCDE 2013*, Éditions OCDE.
http://dx.doi.org/10.1787/steel_non-oecd-2013-en-fr

ISBN 978-92-64-19438-0 (print/imprimé)

ISBN 978-92-64-21798-0 (PDF)

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Foreword

The Secretariat of the OECD Steel Committee prepares a publication on steelmaking capacity developments in non-OECD economies approximately every two years. This publication reviews available material on existing capacity and on likely developments through 2014. To the extent possible, expectations beyond 2014 are also reflected.

The regional tables present detailed information on the existing capacity and equipment of steel plants, the additional equipment being invested in, and the resulting increase in capacity.

Avant-propos

Le Secrétariat du Comité de l'acier de l'OCDE établit tous les deux ans une publication sur l'évolution des capacités de production d'acier dans les économies non membres de l'OCDE. Cette publication passe en revue les éléments d'information disponibles sur les capacités actuelles de production et sur leur évolution à l'horizon 2014. Dans la mesure du possible, il tient compte aussi des développements attendus après 2014.

Les tableaux par région présentent des informations détaillées sur les capacités et les équipements sidérurgiques actuels ainsi que sur les investissements prévus et les augmentations de capacité correspondantes.

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Developments in Steelmaking Capacity of Non-OECD Economies: Two-yearly report

Introduction

The global steel industry's capacity to produce steel has increased rapidly over the past decade. Most of the growth in steelmaking capacity has occurred in non-OECD economies, particularly in Asia, where demand for steel used in downstream manufacturing, to support construction activity, and to build the necessary infrastructure has expanded strongly. Due to the long lead times necessary to build and expand steelmaking facilities, trends in steelmaking capacity can lag those in demand. Although world steel demand declined sharply during the global economic and financial crisis of 2008-09, and has recovered only moderately in some economies, the world's capacity to make steel has continued to increase steadily. In 2011, global steelmaking capacity is estimated to have reached 1 997.1 million metric tonnes (mmt), of which 1 331.7 mmt, or 66.7%, was located in non-OECD economies.

Global steelmaking capacity is projected to grow further in 2012-14, mainly in developing Asian economies. China will continue to lead the capacity expansion in volume terms, but several other non-OECD economies are beginning to play a growing role in the global capacity expansion. For example, capacity is expanding rapidly in India and Southeast Asia, as local steelmakers invest heavily in response to optimistic expectations about future steel demand growth. The Middle East is also expected to record very rapid growth in capacity, reflecting the region's abundant natural gas resources and opportunities for mini-mill steel production based on direct reduced iron. In the Commonwealth of Independent States (CIS), many mini-mill projects are being planned, with steelmakers replacing outdated open-hearth furnaces and investing in energy-saving technologies as well as in steel-making and rolling facilities. In Latin America, some important slab projects are expected to progress, supported by the availability and proximity to iron ore resources. In total, global steelmaking capacity is projected to increase to 2 238.2 mmt by 2014, with non-OECD economies accounting for approximately 69.9% of this amount.

This publication examines the current steelmaking capacity of non-OECD economies and likely changes therein up to the year 2014, based on the OECD Secretariat's monitoring of investment projects using a number of sources available in the public domain. The first part of the publication provides a general summary of capacity trends, including recent developments and the outlook to 2014 by country and region. The regional tables provided at the end of this publication present extensive detail on investment projects by company, including the equipment and production technologies steelmakers are investing in, the starting dates of the planned projects, and, where known, how the projects are being financed.

Summary

Non-OECD steelmaking capacity is expected to continue increasing in the period to 2014, but at lower annual growth rates compared to those observed in recent years. Total non-OECD steelmaking capacity in 2014 is expected to reach 1.56 billion tpy (tonnes per year), representing an increase of 232 million tpy from a level of 1.33 billion tpy in 2011. Average annual growth in capacity in the period to 2014 should therefore amount to 5.5%.

An examination of regional trends suggests that Asia will account for the largest part of the non-OECD steelmaking capacity increase. Asian capacity should increase by 188.5 million tpy in the period to 2014, accounting for 81.3% of the total 232 million tpy increase for all non-OECD economies. This is followed by the Middle East (with a 24.8 million tpy capacity increase), the Commonwealth of Independent States (10.3 million tpy), Africa (5.3 million tpy) and Latin America (2.5 million tpy). In contrast, few changes in steelmaking capacity are expected for non-OECD European countries.

In Asia, China showed a sharp increase in capacity over the past decade, as its industry expanded rapidly to meet the needs of downstream manufacturing industries and growing construction activity due to urbanisation and heavy infrastructure building. By 2011, steelmaking capacity in China had risen to 863.3 mmt, or 43.2% of the world total. According to current projections, an additional 138.1 million tonnes of new steelmaking capacity will be installed in China in the period until 2014. Despite being a large increase in volume terms, this would represent a slowdown in the growth rate of capacity compared to past years. This is partly a consequence of government policy measures aimed at constraining the industry's expansion and expectations that perhaps the fastest phase of steel demand growth may now be over. A recent policy measure includes guidelines released by the State Council of China, in October 2013, to address overcapacity and advance restructuring in several industrial sectors including steel. According to the guidelines, capacity additions in sectors experiencing significant overcapacity will not be approved and any projects should be compliant with industry regulations. And, more recently, China's Ministry of Industry and Information Technology (MIIT) requested local authorities to submit details on their targets to reduce overcapacity in several industries including steel. The focus of MIIT has been on Hebei province, where there are plans to reduce crude steelmaking capacity by 15 mmt in 2014 as part of an overall capacity-reduction target of 60 mmt by 2017.

Steelmakers in India have a large number of capacity expansion plans, underpinned by abundant iron ore supplies, relatively low costs of production, and optimistic expectations for steel consumption growth in the medium term. Indian steelmaking capacity is expected to increase from 88.8 million tonnes in 2011 to 123.7 million tonnes by 2014, though some greenfield projects have been delayed due to land acquisition problems and strong popular resistance. Other Asian emerging economies, such as Viet Nam and Indonesia, are also expected to see their steel industries expand rapidly, as local producers make efforts to better meet growing demand in steel-using industries such as the automotive sector.

In the Middle East, steelmaking capacity is projected to increase significantly, from 35.2 million tonnes in 2011 to 59.9 million tonnes in 2014. These economies have been showing significant growth in steel demand, supported by construction activity as well as investments in oil and gas projects as well as downstream refining. Most of the region's steelmaking capacity expansion is expected to take place in Iran, though international sanctions may slow the process.

In the Commonwealth of Independent States (CIS) region, steelmakers are replacing outdated open-hearth furnaces with new basic-oxygen and electric-arc furnaces, and investing in energy-saving technologies as well as steel-making and rolling facilities. Many mini-mill projects have been planned in this region reflecting relatively bright prospects for construction activity. Steelmaking capacity in the CIS region is projected to increase by 10.3 million tonnes to 156.5 million tonnes by 2014.

In Latin America, production capacity is forecast to increase only slightly, to 69.4 million tonnes by 2014, *i.e.* by 2.5 million tonnes from the 2011 level. Both domestic and foreign steel manufactures have expanded capacity in the past, owing to favourable prospects for market growth and proximity to key raw materials such as iron ore. Most of the expansion projects have occurred in Brazil, including some significant slab-for-export projects. Although there are still expansion projects in the pipeline, some projects have been cancelled and postponed due to uncertain market prospects.

In Africa, steelmaking capacity is projected to increase from 33.2 million tonnes in 2011 to 38.5 million tonnes in 2014. Political conflicts and social unrest have had a significant impact on steel market activity in some countries in the region. Nevertheless, the broader picture for Africa is that steel demand is increasing gradually and many foreign companies will continue to invest in mining projects thanks to the region's abundant natural resources.

Recent developments

Trends in capacity, production and consumption

The total steelmaking capacity of non-OECD economies expanded rapidly over the past decade, rising from 528.1 million tonnes in 2002 to 1.33 billion tonnes in 2011. For the decade as a whole, growth in capacity amounted to 152.2%. The most significant increase occurred in China, where steelmaking capacity increased by 665.9 million tonnes, accounting for 82.9% of the total 803.6 million tpy increase for all non-OECD economies during this decade.

Table 1. Change in steelmaking capacity

	Million tonnes					Changes	
	2002 (A)	2004	2006	2009	2011 (B)	(B-A)	(B/A %)
Non-OECD Europe	15.5	16.0	17.3	18.0	19.8	4.2	27.4
CIS	124.2	123.1	127.3	143.2	146.2	22.0	17.7
Latin America	50.0	51.5	54.7	61.1	66.9	16.9	33.7
Africa	26.9	29.6	29.8	31.4	33.2	6.3	23.6
Middle East	14.7	15.9	18.5	28.1	35.2	20.4	139.0
Asia	296.8	449.1	595.8	864.0	1030.5	733.7	247.2
China	197.4	340.1	472.5	718.0	863.3	665.9	337.4
Other Asia	99.4	108.9	123.3	146.0	167.2	67.8	68.2
Non-OECD total	528.1	685.1	843.4	1145.7	1331.7	803.6	152.2

Capacity utilisation and self-sufficiency

Of the total 1.33 billion tpy steelmaking capacity for the non-OECD economies at the end of 2011, 75.6% was being utilised, as indicated in the table below. Capacity utilisation rates in Asia, the CIS, and Latin America exceeded 70%, while utilisation rates in non-OECD Europe, Africa and the Middle East remained at relatively low levels of 42.0%, 47.3% and 65.4% respectively.

Table 2. Capacity utilisation rate

Million tonnes			
	Capacity 2011 (A)	Crude steel production 2011 (B)	Utilisation rate (B/A %)
Non-OECD Europe	19.8	8.3	42.0
CIS	146.2	112.7	77.1
Latin America	66.9	48.2	72.0
Africa	33.2	15.7	47.3
Middle East	35.2	23.0	65.4
Asia	1030.5	799.5	77.6
China	863.3	683.9	79.2
Other Asia	167.2	115.6	69.1
Non-OECD total	1331.7	1007.3	75.6

Note: CIS denotes the Commonwealth of Independent States.

Sources: OECD (for capacity) and the World Steel Association (for production).

Self-sufficiency rates measure an economy's domestic steel production as a share of its apparent consumption of steel. Africa and the Middle East have amongst the lowest self-sufficiency rates, well below 100%, indicating the importance of imported steel in meeting domestic demand in these regions. Although Southeast Asia also relies heavily on imports to meet demand, the Asian region as a whole has a self-sufficiency rate close to 100% mainly due China's important role as a steel exporter. The CIS region has a high self-sufficiency rate of approximately 180%, reflecting the high degree of export orientation of steel producers in this region; Ukraine, in particular, is known to have one of the world's most export-oriented steel industries.

Table 3. Self-sufficiency rate of crude steel

Million tonnes						
	Crude steel production (C)		Apparent consumption (D)		Self-sufficient rate (C/D %)	
	2007	2011	2007	2011	2007	2011
Non-OECD Europe	11.7	8.3	14.4	9.8	81.8	84.5
CIS	124.2	112.7	65.6	62.7	189.3	179.6
Latin America	47.9	48.2	43.7	48.4	109.7	99.5
Africa	18.7	15.7	26.4	28.2	70.8	55.6
Middle East	16.5	23.0	44.7	51.3	36.8	44.9
Asia	585.6	799.5	572.7	817.7	102.3	97.8
China	489.7	683.9	435.9	649.9	112.4	105.2
Other Asia	95.9	115.6	136.8	167.8	70.1	68.9
Non-OECD total	804.5	1007.3	767.3	1018.1	104.9	98.9

Note: CIS denotes the Commonwealth of Independent States.

Source: OECD calculations based on data from the World Steel Association.

Outlook until 2014

Between 2011 and 2014, the total crude steelmaking capacity of non-OECD economies is expected to increase from 1.33 billion tpy to 1.56 billion tpy, or by 17.4 % during the period as a whole. This corresponds to an average annual growth rate of 5.5%.¹ In terms of volume, the largest expansion is expected to occur in China, which should account for 59.5% of the total capacity increase in non-OECD economies. This is followed by India (15.0%), Iran (5.2%), the Russian Federation (3.4%), Saudi Arabia (1.5%) and Ukraine (0.8%).

The capacity expansion in non-OECD economies over the next few years is being supported by expectations of continued and stable growth in steel demand and availability of raw materials. While China continues to lead this capacity expansion, other developing economies are accounting for a rising share of the expansion, as governments target growth, and in some cases self-sufficiency, in steel production. The Middle East, the CIS region, India, and other developing Asian economies are becoming increasingly important in this context. A summary of key investments by economy are presented below.

Table 4. Estimates for steelmaking capacity in 2014

Million tonnes

	Existing 2011 (A)	Increase to 2014			Capacity in 2014			Changes	
		Firm	Possible	Unlikely	Mean (B)	Low	High	Volume (B-A)	% (B/A)
Non-OECD Europe	19.8	0.3	0.6	1.4	20.3	20.0	20.7	0.6	2.9
CIS	146.2	8.3	4.0	34.0	156.5	154.5	158.5	10.3	7.1
Russian Federation	87.8	6.4	3.2	7.6	95.8	94.2	97.4	8.0	9.1
Ukraine	45.4	1.9	0.0	25.7	47.3	47.3	47.3	1.9	4.3
Latin America	66.9	1.7	1.7	33.5	69.4	68.6	70.3	2.5	3.8
Brazil	47.2	1.7	0.0	27.7	48.9	48.9	48.9	1.7	3.5
Africa	33.2	4.1	2.5	24.1	38.5	37.3	39.7	5.3	15.9
Middle East	35.2	19.9	9.7	35.9	59.9	55.1	64.7	24.8	70.4
Iran	19.2	8.9	6.5	23.4	31.3	28.1	34.5	12.1	63.4
Saudi Arabia	7.9	2.9	1.3	6.2	11.5	10.8	12.1	3.6	44.8
Asia	1030.5	178.1	20.9	370.4	1219.0	1208.6	1229.4	188.5	18.3
China	863.3	132.4	11.4	55.0	1001.3	995.6	1007.0	138.1	16.0
India	88.8	31.3	7.2	258.0	123.7	120.1	127.3	34.9	39.3
Non-OECD total	1331.7	212.3	39.3	499.2	1563.7	1544.1	1583.3	232.0	17.4

Note: CIS denotes the Commonwealth of Independent States.

¹ The method used to estimate steelmaking capacity is described in the notes about the regional tables. Capacity expansion is mentioned hereafter in terms of the “mean-case estimate.”

Non-OECD Europe

Bulgaria

- Bulgarian rebar mill *Helios Metalurg* is looking for partners in a project to commission a new 100 000 tpy induction furnace at its site in Plovdiv, adjacent to the company's existing 140 000 tpy rolling mill. In April 2011, *Helios Metalurg* began construction of the building itself, which includes a production hall to house the furnace.
- Bulgarian steelmaker *Stomana Industry* has announced a EUR 70 million investment programme, which includes the installation of a new electric-arc furnace supported by a loan from the International Finance Corporation (IFC). The company has stated that the new EAF is likely to result in better utilisation of electric and natural gas consumption.

Latvia

- In the first half of 2011, *Liepajas Metalurģs* invested EUR 36.4 million in the construction of an electric-arc furnace (EAF). The company reported earlier that work on the melt shop had continued, with progress being made on the installation of new equipment. The EAF and new rolling mill were scheduled to be installed in the autumn of 2011.

Lithuania

- A new steel venture in the Russian Federation, *AV-Stal*, intends to construct a micro-mill, which will have a capacity of 120 000 tpy of steel. Construction of the new mill began in mid-2010 and was expected to have been completed within two years.

Romania

- Russian Federation miner and steelmaker *Mechel* has completed the first stage of modernisation at its Romanian subsidiary *Ductil Steel Otelu Rosu*. The investment of USD 48.7 million includes a new electric-arc furnace and an upgraded continuous billet caster. The launch of the upgraded melt shop marks the completion of the first stage of *Otelu Rosu*'s modernisation that started in 2009. The remaining two stages will allow the plant to achieve a steel production capacity of 1.3 million tpy.
- The UK and Nigeria-based Gupta family – the owner of steel trading group *Liberty Commodities* – intended to commission its new steel plant, *Transdanube Industries*, in Oltenita, southern Romania, by the end of 2012. The new mini-mill will produce light long products. Construction has begun on the 20 hectare site of the old Turol casting plant, purchased by *Liberty* for EUR 16 million from a private investor in 2007. The plant, which is expected to cost EUR 150 million, will be equipped with a 70-tonne electric-arc furnace with continuous scrap charging technology supplied by Tenova as well as a Danieli rolling mill that will produce rebar. A spooler and light sections production operations will be added later. The melt shop is expected to produce 500 000 tpy of billet.

Commonwealth of Independent States (CIS)

Steelmakers in The Russian Federation and Ukraine are planning many mini-mill projects mainly targeting the construction market. These include some projects that were temporally postponed by the financial crisis. Steelmakers in the region are replacing outdated open-hearth furnaces with new basic-oxygen and electric-arc furnaces, and investing in energy-saving technologies as well as steel-making and rolling operations. Steelmaking capacity for the entire CIS region is projected to increase by 7.1% between 2011 and 2014, i.e. by 10.3 million tonnes, to a level of 156.5 million tonnes by the end of the period.

Kazakhstan

- *ArcelorMittal Temirtau (AMT)* had planned to rebuild its blast furnace No. 3 to boost the plant's crude steel capacity to 6 million tpy by 2013. The USD 150 million project was expected to have been completed by the second quarter of 2013.
- *Caspian Stal* plans to increase its billet and rebar production capacity to meet western Kazakhstan's growing demand for long products. The Kazakhstan-based longs producer wants to reach a billet capacity of 150 000 tpy, up by 50% from its current capacity of 100 000 tpy, while rebar rolling capacity will double to 100 000 tpy from 50 000 tpy.
- Kazakhstan-based *KSP Steel* has outlined plans to build a plant to supply rails to markets in the Russian Federation, China and Kazakhstan, according to national export and investment agency Kaznex Invest. The plant will have a 700 000 tpy casting and rolling capacity and will come on stream between 2013 and 2014.

Russian Federation

- *Abinsk Electrometallurgical Plant* plans to commission an EAF by mid-2014. According to the initial design, the EAF will be able to produce 1.3 million tpy of crude steel.
- *AV-Stal* had planned to build a 150 000 tpy long products mill in the southern region of Volgograd and a new 143 000 tpy rebar producing mini-mill in the Novgorod region. Both projects were expected to be finished in 2013.
- *Chelyabinsk Metallurgical Plant* was due to overhaul two remaining converters with auxiliary equipment by 2013. Once realised, the investment will increase steel output by 9.5 million tpy.
- Relying on a loan from the state-owned bank Sberbank in 2012, *Chusovoy Metallurgical Works (ChMZ)*, a subsidiary of *United Metallurgical Company (OMK)*, had planned to install a 900 000 tpy capacity electric-arc furnace that would allow it to replace its two existing open-hearth furnaces.
- Some time ago, Ukrainian steelmaking group *Industrial Union of Donbass* delayed the restart of construction of its new steel rolling plant in Armavir, located in Krasnodar, Russian Federation. Commissioning of the plant was postponed until 2016. The plant will include a steel melting shop of 1.5 million tpy annual capacity.

- In 2012, *Krasnii Yar AO* was looking for a partner to revive production of long products at the *Krasnoyarsk Sibelektrostal Steelworks* in central Siberia. It was seeking a co-investor to build a steel plant and rolling mill, using the site and available infrastructure of *Sibelektrostal*, which ceased production several years ago. *Sibelektrostal*, formerly an EAF-based mill capable of producing 300 000 tpy, was demolished entirely in late 2009. Italian equipment manufacturer STG Group submitted a proposal to supply the whole plant, including an EAF and a 200 000 tpy rolling mill in 2011.
- *Maxi-Invest* began construction of long products mills in Kovrov and Tatarstan. Each will have a 1.2 million tpy crude capacity and are expected to be commissioned in 2013 and 2014.
- *Nizhny Tagil Iron and Steel (NTMK)* is considering expanding its crude steel capacity by building a second converter shop. This would make up for the loss of 2 million tpy of capacity following the closure of its open-hearth furnace shop in 2009 and could allow *NTMK* to raise its steelmaking capacity to 7.5 million tpy.
- *NLMK-Sort (NLMK-Long Products)*, a subsidiary of *Novolipetsk Steel (NLMK)*, was reported some time ago to have started assembling the main equipment for its electric-arc furnace (EAF) melt shop that will form part of the long products mini-mill it is constructing in the Kaluga region. The mini-mill was planned to be commissioned in 2012, with a capacity of 1.5 million tpy of crude steel and 0.9-1.5 million tpy of rolled products capacity. *NLMK-Sort* had been investing RUB 1 billion to upgrade the Nizhnie Sergi plant.
- *Novosibirsk Metallurgical Works*, a subsidiary of *ESTAR Holding*, may revive plans to produce its own crude steel, by building a 300 000 - 350 000 tpy scrap-based melt shop. This would enable it to develop its production of rebar, angles, channels and round bar, as well as slab.
- *Petrostal* plans to resume its project to install an EAF to replace its OHF, once production on its rolling mill achieves pre-crisis levels of 22 000 tpm (tonnes per month).
- *Ruspolymet* has already started to prepare the area where it will construct a long products micro-mill at its existing site in Kulebaki in the Nizhny Novgorod region. The micro-mill, designed to produce 350 000 tpy of rebar, was scheduled to be commissioned in the second quarter of 2013. The RUB 3 billion plant will be equipped with a 40-tonne electric-arc furnace, a ladle furnace and a one-strand continuous billet caster, all supplied by Danieli of Italy.
- *Severstal* has invested RUB 10.7 billion in a new long products mini-mill at Balakovo, Russian Federation. It was scheduled for commissioning in the second quarter of 2013 and will have the capacity to produce more than 1 million tpy of long products. The total investment made will be about USD 600 million.
- *Stavropol Steel (StavStal)* planned to start constructing its rebar rolling mill near Nevinnomyssk in the south-western Stavropol region of the Russian Federation in 2011, once the project gained approval from the state. The rolling mill will have a capacity of 350 000 tpy of rebar, but will also be suitable for making wire rod. Once it is fully operational and its output is selling well, *StavStal* envisages adding a 500 000 tpy electric-arc furnace in 2013 to enable it to make its own billet for re-rolling and to sell to other steel rolling mills. *StavStal* has ordered the roll-

ing mill and an EAF from Turkish equipment manufacturers Ermaksan Machinery and CVS.

- Steel pipe manufacturer *Taganrog Steel Plant (Tagmet)*, which forms part of the *TMK* group, plans to commission its first electric-arc furnace in 2013 and subsequently start phasing out its three open-hearth furnaces. The project had been put on hold because of the global economic crisis. The EAF will have a capacity of 0.9–1 million tpy of crude steel.
- The company *TESO Engineering* had been planning to build an electric arc furnace-based rebar plant in the Khakasia Republic in southern Siberia. It has filed a project proposal with the Republic's committee for industry and environment, which was being assessed at the time of writing. The mini-mill will be designed to produce 150 000 tpy of rebar, as well as wire rod. *TESO Engineering* is set to invest EUR 50 million in the construction of the mini-mill, which, once the project is approved and necessary permits are obtained, will take up to two years to complete. The major equipment is expected to be supplied by Italian plant makers Sider Engineering and SIAD Macchine Impianti.
- *Unitrade-Contract* plans to build the Tsimlyansky long products plant on the site of a disused car repair workshop in the town of Kalach-on-Don. Investment in the project is estimated at RUB 2.4 billion. Currently at the design stage, Tsimlyansky should be equipped with induction furnaces, a continuous caster and a rolling mill, enabling it to produce 200 000 tpy of reinforcing steel.
- *Ural Mining and Metallurgical Company (UGMK)* was expected to have commissioned its special steel mini-mill in the Tyumen region in the Urals in 2013. The EAF-based mill is designed to produce 550 000 tpy of bars and light sections in low-carbon, special and alloy steels. The project was put on hold during the global financial and economic crisis, but *UGMK* resumed construction of the mill in the beginning of 2011.
- *Volga Electrometallurgical Plant (VEMZ)* is expected to have been built a new 300 000 tpy EAF and rebar plant in the Ivanovo region, north-east of Moscow. In its first phase, *VEMZ* will produce 65 000 tpy of rebar. The cost of the plant is RUB 1 billion.
- *Volga-FEST*, a Volgograd-based subsidiary of the Russian Federation steel producer *ESTAR Holding*, intends to upgrade its EAF and install a new billet caster, with a matching capacity of 480 000 tpy of saleable billet.

Ukraine

- *ArcelorMittal Kryviy Rih* had earlier planned to increase capacity from 8.5 million to 12 million tpy of liquid steel by 2012, with a new sinter plant, a new 5 million tpy converter shop, and new slab casters. The remaining OHF and old sinter plant were to be closed.
- Ukraine's *Metinvest* plans to spend USD 15 billion on investments that will double its crude steel production by 2013-2014. The company will invest USD 5 billion at its *Azovstal* works. *Metinvest* estimates that *Azovstal* will increase crude steel production to 8 million tpy over the next several years, with emphasis on production of flat products. *Azovstal* closed the last two open hearth furnaces in May 2011.

- *Dneprospetsstal* installed a new electric-arc furnace in 2012. The 540 000 tpy capacity furnace replaces three existing furnaces and cost around EUR 10 million. Siemens VAI was the equipment supplier.
- *Dneprovsky Metallurgical Plant*, a subsidiary of the *Industrial Union of Donbass (ISD)*, plans to increase its crude steel output to 7 million tpy by 2020, more than twice the level existing in 2009. The company plans to install new facilities and reconstruct existing plants.
- Russian Federation miner and steelmaker *Mechel* has completed the acquisition of Ukrainian carbon and special steel long products producer *Donetsk Electrometallurgical Plant (DEMZ)*. The USD 537 million acquisition will be paid in instalments over seven years. *DEMZ* hopes to increase its crude steel capacity to 1.5 million tpy by 2015.
- *Donetsk Iron & Steel Works* postponed the launch of its EAF until 2012 owing to the financial crisis of 2008-09. The company had planned to modernise its steelmaking operations by taking its OHF out of service and building a 150-tonne EAF.
- Several years ago, Ukrainian scrap operator *Euro Finance* commenced building its first steel plant with a capacity of 1.8 million tpy. The contract for equipment supply was signed with Siemens in June 2008. The works planned on having a 120-tonne EAF and a twin-station ladle furnace, an eight-strand billet caster, and a long products rolling mill.
- The Ukrainian flat steel producer *Ilyich Iron and Steel Works* is planning reconstruction work to boost its iron and steel production. With the aim of increasing production to 7.2 million tpy of pig iron and to 9 million tpy of crude steel, *Ilyich's* current modernisation plan envisages reconstruction of blast furnace No.1 and the construction of a new oxygen converter and casting/rolling module with a capacity of up to 4.5 million tpy, while its open-hearth production operations and a slab caster will be closed. Since the merger with *Metinvest* in 2010, the mill has reported steady production volumes amid secure raw materials supplies and a unified sales structure.
- *Interpipe*, the Ukrainian seamless pipe and railway wheel producer, began to test production at its new EAF melt shop at Dneprosteel in 2012. The company intended to begin commercial production of pipe billet in March 2012, after which it would take a year to ramp up the melt shop and reach the full capacity of 1.32 million tpy of crude steel. At the same time, the company started phasing out all of its four open-hearth furnaces, whose combined capacity exceeded 700 000 tpy.
- *Metinvest* will install 8 million tpy of slab production capacity at *Makeyevka Iron & Steel Works* via the integrated production route, potentially boosting production by 444%.
- *Vorskla Steel*, a company registered in Switzerland, was reported some time ago to have been starting the construction of its steelworks on a site near the city of Komsomolsk in Ukraine's Poltava region. The new works would have two Midrex DRI plants, two EAFs with a combined capacity of 3 million tpy, two ladle furnaces, and two continuous slab casters.

- The Ukrainian iron ore and steel producer *Metinvest Holding (Metinvest)* plans to upgrade its capacities at *Yenakievo Iron and Steel Works (EMZ)*. Metinvest completed the construction of a new blast furnace No.3 at EMZ in 2011 and will reconstruct its blast furnace No.1, thus bringing pig iron production capacity up to 3.5 million tpy. As a result of the investment program, EMZ will be able to produce 3.5 million tpy of crude steel.

Latin America

In Latin America, both domestic and foreign steel manufacturers have planned to expand capacity, owing to relatively positive prospects for market growth and proximity to key raw materials such as iron ore, although some projects have been postponed. The steelmaking capacity of non-OECD economies in Latin America is estimated to increase only slightly, to 69.4 million tonnes by 2014, up 2.5 million tonnes or 3.8% from 2011. Most of the capacity expansion projects will occur in Brazil, and major steelmakers have launched new steel mill projects particularly to produce long steel products for the construction market. New slab projects in the country are currently in progress, however, some of them have faced delays.

Argentina

- *Ternium Siderar* plans to increase melting capacity to 5.1 million tpy and install a new 2.3 million tpy slab caster, as announced in 2007.
- *Gerdau* has announced that its plans to construct a greenfield longs mill in Pérez, Argentina are still being evaluated. *Gerdau's* initial plans for the Argentinean market included a 1 million tpy mini-mill, in which the company would invest over USD 500 million.

Bolivia

- *Jindal Steel Bolivia's (JSB)* new DRI plant at the El Mutún deposit is expected to begin production in November 2014. The USD 129.5 million plant will be built by the U.S. company Midrex Technologies and will produce 2 million tpy of DRI that will feed the neighbouring steel plant. In 2007, the company secured the development rights to 20 billion tpy of iron ore from El Mutún mines. The 40-year contract includes the setting up of an integrated 1.7 million tpy steel plant.

Brazil

- *Vale* is keeping on hold the construction of two steelworks in northern and south-eastern Brazil. Work at the site of *Aços Laminados do Pará (Alpa)* stopped in mid-2012 after the federal government halted plans to improve port and navigation facilities on the Tocantins river that would enable the steelworks to ship its products and receive raw materials. Alpa had been expected to go into operation in 2013. The company also continues to develop the *Companhia Siderúrgica de Ubu (CSU)* steel project and look for a majority partner. The USD 5 billion slab project, to be located in the south-eastern state of Espírito Santo, is expected to produce 5 million tpy. Initially, operations were expected to begin in 2014.

- *ArcelorMittal Aços Longos* resumed the expansion projects at its Brazilian longs units Juiz de Fora and Monlevade, with a total investment of BRL 352 million. These expansion projects had been delayed since November 2011 because of the global economic slowdown and weak markets. The investment will add 200 000 tpy of crude steel capacity to Juiz de Fora, in Minas Gerais state, enabling it to increase billet production. At Monlevade, the company is increasing its wire rod capacity from around 1.2 million tpy to 2.3 million tpy by the end of 2014 with the installation of a third rolling mill. Output from Juiz de Fora, along with 200 000 tpy of crude steel capacity from the company's Cariacica unit in Espírito Santo state, will support an increase in wire rod production at Monlevade.
- The project planned by *Companhia Siderúrgica do Mearim (CSM)*, a 10 million tpy greenfield slab project backed by Brazilian mining and energy group *Aurizônia*, is expected to be developed in the country's northern state of Maranhão. The first stage involves a 3.5 million tpy unit, and this will be followed by two other modules to reach 10.5 million tpy at an undetermined date.
- Future slab maker *Companhia Siderúrgica do Pecém (CSP)*, in Brazil's north-eastern Ceará state, is designed to produce 3 million tpy of slabs in its first stage and is expected to start up in the second half of 2015. Slab production may reach 6 million tpy in a second stage. *CSP* is a joint venture between Brazilian mining group *Vale* (50%) and Korean steel producers *Dongkuk* (30%) and *POSCO* (20%). It is reported that *Vale* intends to reduce its 50% ownership stake after the project's construction is completed. The total investment in *CSP* from all three partners may reach USD 5.1 billion. At the close of 2013, the construction project reached 44.1% of completion. In August 2013, Brazil's north-eastern Ceará state special export zone (ZPE) was reported to have been granting *Companhia Siderúrgica do Pecém (CSP)*, among others, advantages on shipments abroad. In December 2013, the Brazilian Institute of Environment and Renewable Natural Resources (Ibama) authorised the start of the second phase of expansion of the Pecém port terminal, in the north-eastern state of Ceará.
- A Brazilian steelmaking complex is to be built in northern Pará state. The project was postponed in July 2011 when executives came to a consensus that, due to global market conditions in the steelmaking sector, the most prudent move was to continue developing some projects internally, rather than going ahead with a new venture. Previously expected to start up in 2015, the steelworks would include a 2.5 million tpy slab mill, a coke plant and a port terminal capable of handling 15 million tpy. The joint venture involves *Cosipar* subsidiary *Usipar*, Russia's *Mechel*, and *Igor Zyuzin* through hot rolled coil producer *Mir Steel UK*.
- Brazilian steelmaker *Companhia Siderúrgica Nacional (CSN)* plans to begin operation of its new longs plant with a capacity of 500 000 tpy by the first half of 2014. The plant is already in the testing stage. The facility is being constructed at its existing flats facilities in Volta Redonda, Rio de Janeiro state. The mill will produce mainly rebar, as well as some bar and wire rod products. The investments in the new plant total BRL 1.2 billion. *CSN* will be the fifth company to compete directly in the Brazilian longs market along with *ArcelorMittal*, *Gerdau*, *Votorantim Siderurgia* and *Sinobrás*. *CSN* also plans to build two new mills each with a capacity of 500 000 tpy each, though the company has not yet disclosed the locations of the mills.

- *Gerdau* was earlier reported to be investing BRL 2.47 billion to install a new long product rolling mill, with plans to expand crude steel capacity by 50% at its Cosigua works in Rio de Janeiro. Crude steel capacity at the plant should reach 1.8 million tpy, while the rolling mill will be able to produce 1.1 million tpy of rebar and wire rod. Initially, Cosigua's meltshop was expanded by 50% in 2012, while the new rolling plant was scheduled to become operational in 2013, with an initial capacity of 600 000 tpy. Gerdau's new flats unit, built at its Açominas plant in Minas Gerais state, was slated to start production in March 2013, after total investments of BRL 2.4 billion. The line, which was built at its Açominas plant, will have the capacity to produce 800 000 tpy of HRC and, in two years, the company also plans to produce heavy plates.
- *Grupo Ferroeste's* 1.2 million tpy EAF/billet project, in the state of Maranhão, was initially slated for March-April of 2011. Full capacity should be reached in 2014.
- Mexican bar and sections producer *Simec* started building a major new plant in the Brazilian state of São Paulo through subsidiary *GV do Brasil* in 2012. The plant is designed for an annual production capacity of 520 000 tpy of billets and 400 000 tpy of bars and wire rod, which can be expanded to 560 000 tpy and is scheduled to begin operation in February or March 2014. The facility will produce rebar and special bar quality (SBQ) steels with a 65-ton electric arc furnace using only scrap.
- *Ternium* has decided not to build a steel mill or an iron ore pelletising plant at Açú port in Brazil's south-eastern state of Rio de Janeiro. In December 2013, the Brazilian antitrust agency Cade approved the transfer of all shares of the steelmaking project, known as Siderurgica do Norte Fluminense, to logistics company *LLX* with no restrictions. *Ternium* planned to spend USD 2.5-3 billion to produce 2.5 million tpy of slab at the location.
- *Wuhan Iron & Steel Group (Wugang)* has suspended its 5 million tpy integrated steel works project in the Açú Port, Brazil, jointly developed with Brazilian iron ore and steel group *EBX*. The project had made little progress, in part because of high infrastructure investment costs, including for a delayed iron ore railway. The two companies signed an MoU in 2009 to set up the joint venture, which would have seen *Wugang* taking a 70% stake and an *EBX* subsidiary a 30% stake in a slab plant and later a heavy plate mill.

Colombia

- Brazil's *Votorantim Siderurgia* was reported to have been considering increasing capacity in *Acerías Paz del Río*, a flats and longs producing integrated steelmaker, to 700 000 tpy in 2012. Capacity previously amounted to 450 000 tpy.

Peru

- *Aceros Arequipa* had plans to expand capacity to 1.2 million tpy production. The expansion plan was already approved, but was frozen during the world economic crisis. The company has been waiting for better market conditions before it starts construction works.

Venezuela

- The project named *Aceros del Alba* is an initiative by the Venezuelan government to build a stainless mill in partnership with the Cuban government. The plant, in the state of Monagas, will process 150 000 tpy. However, the project's original plans were for 500 000 tpy.
- The new Venezuelan steel mill *Siderúrgica Nacional (SN)* is expected to have a capacity to produce around 1.55 million tpy of crude steel and produce up to 1.4 million tpy of slabs that will be converted into 850 000 tpy of hot rolled coil and 350 000 tpy of heavy plate.

Africa

In Africa, political disruptions have had a strong impact on steel market activity of some countries in the region. Nevertheless, steel demand is increasing gradually and many foreign companies are planning to invest in mining projects thanks to the region's abundant natural resources. While mining activity is progressing at a significant pace, few new steel mill projects have been developed. Steelmaking capacity in Africa is projected to increase from 33.2 million tonnes in 2011 to 38.5 million tonnes in 2014.

Algeria

- Algeria's *Cevital* plans to invest USD 3.8 billion in a new steel works in Bellara, which could produce as much as 7.1 million tpy. *Cevital's* project is expected to involve a DRI plant. The first stage of work may be scheduled for completion in 2014, when the Algerian government expects crude steel capacity to increase by 2 million tpy and long products capacity by 3.5 million tpy.
- Egyptian producer *Ezz Steel* is planning to build a 3 million tpy rebar and wire rod mill in two stages. The first stage included a 1.65 million tpy direct reduced iron (DRI) plant and rolling mills with capacity to produce 1.5 million tpy of rebar and wire. In the second stage, a DRI plant of the same capacity would be added and finished product output ramped up to 3 million tpy.
- The Algerian authorities were reported to be pushing forward with the construction of a new 5 million tpy DRI-based steel mill in Jijel, in partnership with *Qatar Steel*. The steelmaker is taking a 24.5% equity stake in the new works, which will include two 2.4 million tpy DRI-based steel melt shops and is expected to begin production after 2016.
- Ground was broken on the construction site of a new EAF-based mill in Oran, western Algeria, in early September 2011. The construction of the USD 500 million new steel plant, which will be controlled by the Turkish company *Tosyali*, was expected to last for 30 months. The plant will have a 1 million tpy crude steel capacity, to be processed mostly into light long products for the construction sector.

Egypt

- *Al Ezz Steel Rebars (Ezz Steel)* began production of rebar at its new mill at *Ezz Flat Steel (EFS)* in Sokhna-Suez at the beginning of 2012, but at the time of writing had not yet commissioned the melt shop or the 1.9 million tpy direct reduced iron plant at the site.

- Egyptian bar and wire rod producer *Beshay Steel* has invested in a new direct reduced iron plant at the company's Sadat City site. The investment includes a 1.3 million tpy melt shop, a 1.3 million tpy billet caster and a 400 000 tpy bar and section mill.
- Steel sector investment group *Egyptian Steel* by *IIC* is constructing a new 500 000 tpy steelworks with a rebar mill in Beni Suef, in partnership with a private investor from Qatar. The company, also known as *IIC for Steel Plants Management*, intends to commission a 500 000 tpy rebar mill at the site, with an electric-arc furnace-based billet plant of the same capacity set to follow in January 2014. Additionally, *IIC* is installing a 250 000 tpy EAF-based billet plant and rebar mill of the same capacity at its Port Said site on the Suez Canal, currently operating as a smaller rebar rolling mill under the name of *National Port Said Steel*. The revamped rebar mill is expected to have begun production in December 2013, while the billet plant is scheduled to come on line in April 2014.
- Egypt's *Suez Steel* has invested in a second melting plant with 1.2 million tpy of billet capacity and a 1.95 million tpy direct reduction plant in Suez.

Kenya

- Kenyan steel producer *Devki Group* was building a new steelworks, including a blast furnace, in the country's Taita-Taveta county. The project will cost KES 36 billion and construction work started in February 2011. The plant's capacity will be 250 000 tpy of billet and hot rolled coil in the first stage, reaching full capacity of 1 million tpy by mid-2014.

Libya

- *The Libyan Iron & Steel Company (Lisco)* aims to raise output to 4 million tpy by 2015. The project includes a new rebar mill, with a capacity of 800 000 tpy, and investments to expand the cold mill's capacity by 200 000 tpy.

Nigeria

- The Ukrainian company *Reprom* has presented a business plan for the restoration of the long-idled Nigerian integrated steelworks *Ajaokuta Steel Company (ASC)*. The government had planned to achieve a 1.3 million tpy level of capacity, eventually to be ramped up to several million tpy. *ASC* will eventually produce direct-reduced iron and flat products.
- *Delta Steel* has announced plans to increase its steelmaking capacity, which will reach 2.4 million tpy by 2015.
- A new steel mill in Nigeria owned by the Chinese firm *Western Metal Products Company (WEMPCO)* is located in Ogun state and has an annual production capacity of 800 000 tpy.

South Africa

- *Afripalm Resources* plans to build a ZAR 21 billion steel plant in a joint venture with the *Steel Authority of India (SAIL)*. The plant would have a production capacity of 3-5 million tpy and would take around six years to build.

- A new steelworks project to produce billet in the Coega industrial development zone by *Agri-Steels* will be able to produce 90 000 tpy. The second phase of the project is to be completed within five years of construction and will reach 180 000 tpy.

Tunisia

- Tunisian long products maker *El Fouladh* is considering building a second meltshop in the future, including a third EAF of perhaps 60 or 100 t in heat size, and a continuous billet caster.
- *Sacinor* plans to build a new billet plant in the north of Tunisia, in Bir Mcherga.

Zimbabwe

- Indian steelmaker *Essar* and the Zimbabwean government have finalised plans to revive the idle *Zisco* steelworks, expand production, and develop iron ore resources for export. *Essar* has a long-term vision of reaching 2.5 million tpy capacity at the steelworks and may invest over USD 4 billion to accomplish it. *NewZim Steel (NZS)*, 40% of which is owned by the government and 60% by *Essar*, will acquire *Zisco*'s assets. During the first phase of the project, USD 115 million will be invested to refurbish the plant over 12-18 months, enabling it to reach 500 000 tpy of capacity. The second phase will see investment of USD 275 million over three years to boost capacity to 1.2 million tpy.

Middle East

In the Middle East, a major steel importing region, steelmaking capacity has expanded steadily over the past few years, in line with high oil revenues and strong economic growth. Many investment projects in the steel industry have been planned with a view to reducing import requirements. Most of the projects involve DRI-based mini-mills, in order to take advantage of the region's abundant natural gas resources, and focus on the production of long steel products for use in the construction sector. Steelmaking capacity is projected to increase substantially in the non-OECD Middle East region², from 35.2 million tonnes in 2011 to 59.9 million tonnes in 2014. Much of the increase should occur in Iran, though international sanctions may slow the process.

Bahrain

- Bahraini steelmaker *United Steel Company (SULB)* secured funding for its new steelworks which is under construction in the north-eastern region of Al Hidd, as announced by Japanese sections producer and co-owner of *SULB Yamato Kogyo* in the spring of 2012. *SULB*, a 51-49% joint venture between Kuwaiti holding company *Foulath* and Tokyo-based *Yamato Kogyo*, is building a DRI plant with a capacity of 1.5 million tpy, a 970 000 tpy melt shop and a 600 000 tpy heavy sections mill for producing medium-to-large H-beams. Hot commissioning of the melt shop was scheduled for September 2012, while the DRI plant was expected to come on line in January 2013.

² Israel is excluded from the non-OECD Middle East aggregate due to its status as a Member of the OECD.

Iran

- Eight new steelworks have been under construction in Iran since 2005. Each of the new steelworks, which consist of a DRI module and meltshop with billet caster, will have an annual capacity of 800 000 tpy of crude steel. They include *Myaneh Steel* in East Azerbaijan province.
- *Bafgh Steel* is one of eight state-owned provincial steel plants that are under construction, each with approximately 1 million tpy capacity. The plant is located close to Bafgh city in Yazd province, a region containing many iron ore mines, including the Chador Malu and Iran Central Iron Ore mines.
- *Baft Steel* is also one of the eight steel projects that the Iranian government is promoting in order to develop economically lagging areas of the country. The company will have a billet capacity of 800 000 tpy.
- Iranian billet producer *Arfa Iron & Steel* plans to ramp up to its full production capacity of 800 000 tpy after commissioning its electric arc furnace-based plant in February 2013. The company produces 200 mm square billet which it sells mainly to privately-owned, small rolling mills in Iran. Its 800 000 tpy EAF is fed from *Arfa's* direct reduced iron plant of the same capacity, which has been operational for approximately two years.
- A few years ago, the state-owned Iranian rolling mill, *Azarbayjan Steel*, was constructing a steelmaking plant with a capacity of 800 000 tpy. The company also plans to expand its rolling capacity to 1 million tpy.
- The new Iranian steel plant *Bardsir Steel* was expected to be put into operation in early 2013. The plant includes a 1 million tpy direct reduced iron (DRI) module and a 1 million tpy melt shop.
- Iran's *Bisoton Steel Complex* project is comprised of a new 400 000 tpy meltshop.
- *Boyerahmad Steel* intends to double its capacity to 240 000 tpy by installing further equipment. It is also studying the feasibility of setting up a rolling mill with 240 000 tpy capacity and a direct reduced iron (DRI) module with capacity of 300 000 tpy.
- Iran's *Chaharmahal va Bakhtiari's* direct reduced iron plant will have 1 million tpy of slab capacity comprising two steel and iron making plants.
- Iran's parliament was reported to have started an investigation into delays of *Esfahan Steel Company's (Esco)* capacity expansion projects. The company planned to install a fourth blast furnace and increase its crude steelmaking capacity from 3.2 million tpy to 5 million tpy. About 85% of the investment required for the expansion project would be financed by Chinese companies. It is reported that the company is unable to complete its projects because of a cash shortage and lack of technology supply.
- *Gambron Steel* is planning to build a steelmaking plant. Feasibility studies for setting up a steel plant with three blast furnaces, capable of producing 2 million tpy of crude steel, have been completed.

- *Ghaenat steel* is constructing a steelworks, which consists of a DRI module and meltshop with billet caster, with a capacity of 800 000 tpy of crude steel. The company planned to complete construction of its DRI module by March 2013 and the new meltshop is scheduled for completion in March 2014.
- The Iranian iron ore miner *Gol-e-Gohar* plans to build a steel plant with a crude steel capacity of 1.6 million tpy to produce billets. The project will comprise a Midrex direct reduced iron module with 1.6 million tpy of capacity and two EAF steelmaking plants, each with 800 000 tpy of capacity.
- *Iran Alloy Steel Co (Iasco)* will increase its capacity to 360 000 tpy, up from 200 000 tpy. Iasco has already signed an engineering, procurement and construction contract with a consortium of Iranian firms including *Mika Sazeh* and the *Tamkar Industrial Group* for the expansion work. The project comprises a third 40-tonne electric-arc furnace, a 40-tonne ladle furnace, a degassing plant and a four-strand continuous caster for the production of billet. The company also plans to construct a new seamless pipe mill. A consortium consisting of *Danieli* and another company has signed a contract to build the new facility. The capacity of the new mill will be about 525 000 tpy.
- *Iran National Steel Industrial Group (INSIG)* plans to build a new plant capable of producing 400 000 tpy of steel.
- A new 1.5 million tpy billet plant under the name of *Kerman Steel* is being built in Iran by the *Middle East Mines & Mineral Industries Development Holding Company (MIDHCO)*. The new project also consists of a direct reduced iron plant. The project will take four years to be completed. *Kerman Steel* has also held a formal ceremony to mark the start of construction of a melt shop that will have an annual capacity of 150 000 tpy.
- The Iranian rebar producer *Kermanshah Steel* is going to install a 400 000 tpy steel plant, including a blast furnace. The current rolling capacity of the company is 150 000 tpy using billet from other Iranian steel producers or imported material.
- A direct reduced iron module has been started at *Khorasan Steel*. The new DRI plant's capacity is 800 000 tpy. Following on from its second DRI unit, the company also plans to install a new electric-arc furnace and a continuous caster. This will have a production capacity of 800 000 tpy. The company will also expand the capacity of its existing steel plant to 800 000 tpy, up from 650 000 tpy.
- *Khouzestan Oxin Steel*, an affiliate of *Khouzestan Steel*, is planning to install a 1 million tpy slab-casting steel plant and a 1.2 million tpy DRI plant.
- *Khouzestan Steel* had been pursuing an expansion project to raise capacity to 5 million tpy before economic sanctions were imposed on Iran in 2011. The company planned to install a 1.6 million tpy DRI mega module, expanding three older DRI modules' capacity to 850 000 tpy from 600 000 tpy and upgrading six electric arc furnaces that will boost each one's output from 600 000 tpy to 875 000 tpy. The company also planned to construct a 1.2 million tpy slab caster.
- A greenfield project in the southwest of Iran, known as *Khorramshahr Steel*, is taking place in two stages. The installation of a direct reduction plant will be followed by a steel plant with rebar and flat rolling mills. The plant is expected to produce 2 million tpy of finished products when the two phases of development

are complete. In the first phase, the company will produce 800 000 tpy of hot rolled coil, fed by the DRI-based steel.

- *Maybod Steel Company* started to build a steel plant, according to the Iranian mines and metal industry holding company *Imidro*. Its pig iron capacity will be increased to 645 000 tpy from its current 300 000 tpy. It will also install a steelmaking plant with a capacity of 650 000 tpy for the production of billets.
- *Mobarakeh Steel* plans to achieve a total capacity of 11 million tpy by March 2015 including subsidiaries *Hormozgan Steel* and *Saba Steel Complex*. *Mobarakeh Steel* will add 1.2 million tpy of crude steel capacity by revamping its electric-arc furnaces in 2012. *Saba Steel Complex* will install a new electric-arc furnace and its crude steel capacity is expected to be doubled from the current level 700 000 tpy. Furthermore, *Hormozgan Steel*, which *Mobarakeh Steel* bought in early 2011, plans to increase its capacity to 3 million tpy from 1.5 million tpy currently.
- *Natanz Steel* planned on commissioning a second meltshop at its facility in Iran's Esfahan province in the third quarter of 2012. The new meltshop would be almost four times the size of its first unit and have a nominal capacity of 800 000 tpy of billet.
- A couple of years ago, *Neizar Qom Steel* started construction of the first phase of its mini mill. The first phase of the project involved the installation of a 1.2 million tpy meltshop that was due to be completed in March 2013.
- Iranian mini mill *Neyriz Steel* was scheduled to begin operation of its new direct reduced iron (DRI) plant by June 2013.
- The new private-sector billet producer *Pasargad Steel* commissioned its 1.5 million tpy capacity electric arc furnace-based billet plant, located near the southwestern city of Shiraz, in June 2013.
- *Sadr Steel*, a private rolling mill in Iran, plans to set up a meltshop with a capacity to produce 320 000 tpy of billet, expandable to 400 000 tpy.
- A new Iranian billet plant, *Sahand Steel*, has been inaugurated and will initially use a 500 000 tpy scrap melting induction furnace and a billet caster of the same capacity. The new plant, located in Ajabhsir, in East Azerbaijan province, is part of a larger project that includes a 1.5 million tpy DRI module and an additional 1.5 million tpy steel melt shop.
- Construction of the direct reduced iron (DRI) plant of the Iranian iron and steel producer *Sepid Dasht Steel* has made significant progress. The DRI plant was expected to be completed by March 2013. The company also plans to install a meltshop and a continuous slab caster.
- The direct reduction unit of *Shadegan Steel Complex* is scheduled to be put in operation. The complex comprises of different plants, including a steel production unit and a direct reduction unit. The plant has a capacity to produce 800 000 tpy which can be increased to 2 million tpy.

- *Shahrood Steel* signed a USD 30 million contract with Siemens VAI Metals Technologies to supply a 50-tonne EAF, a 50-tonne ladle furnace, a 3-strand continuous caster and other melt shop equipment. Commissioning was due during the course of 2012.
- Iran's *South Kaveh Steel* planned to commission a new 2.4 million tpy electric arc furnace-based billet plant by the end of 2013. The company will install a 140 mt EAF meltshop with six-strand continuous caster.
- *Yazd Saman Steel and Asia Iron Melting* has invested in two new meltshops. Both meltshops use induction furnace technology. *Yazd Saman Steel's* melt shop will be equipped with two 12-tonne capacity induction furnaces.
- *Zagros Steel*, located in Iran's western province of Kurdistan, plans to produce 2 million tpy of steel annually following an investment by the Chinese Tihan Company. The Tihan Company will provide *Zagros Steel* with modern systems and technologies in a bid to pave the ground for increased production.

Iraq

- *Al Maseera's* plant that is under construction in Iraq will be capable of producing 450 000 tpy of billets and 350 000 tpy of rebar.
- The commissioning of a new Iraqi rebar mill, *Al-Tanmiya*, has been delayed due to insufficient power supply from the national grid to enable continuous production. The steelworks, located in Iraq's southern city of Basra, will have the capacity to produce 300 000 tpy of rebar and 450 000 tpy of billet.
- Turkish trading firm *Dayen* is building a 250 000 tpy rebar mill in partnership with *ArcelorMittal*, along with an induction furnace-based billet plant and a captive power plant to ensure sufficient energy supplies. Billet production is expected to commence 12-14 months after construction begins, while the rolling mill will come on line a few months thereafter.
- *Isa Unal*, owner of Turkish conglomerate *Moher Limited*, plans to construct a 250 000 tpy rebar mill in a new industrial city being established outside the southern Iraqi city of Basra. The project received a licence from the Basra Investment Commission. The new mill – operating under the name of *Basra Iron & Steel Company (BISCO)* – will possess two induction furnaces and a continuous caster for square billet.
- The Basra Investment Board in southern Iraq has agreed, in principle, to build an iron and steel plant at a cost of USD 150 million, which would produce 250 000 tpy of rebar annually. A joint proposal has been made by *Erbil Steel* and a Turkish company. The new plant will be called *Basra Steel*. The facility will be similar to *Erbil Steel* in the sense that it will have an induction furnace, with 150 000 tpy production capacity, which may later be increased to 250 000 tpy. However, the licence is reported to have been awarded to *Isa Unal*, which also plans to construct a 250 000 tpy rebar mill, putting *Erbil Steel's* plans for a second rebar mill in Iraq in doubt.

- Iraqi rebar producer *G.K. Steel* completed the installation of a new induction furnace in 2012, taking its total finished product capacity up to 80 000 tpy. The company's output serves the domestic construction industry, which is growing strongly due to post-war reconstruction.
- Italian plant maker Danieli supplied a melt shop and rebar mill for Jordan-based *Mass Global Investment*'s new steelworks project in Kurdistan, in northern Iraq. The plant has a capacity of 1 million tpy and was scheduled to start production in 2012. It includes a 120-tonne electric arc furnace, ladle furnace and five-strand continuous caster for billets.
- Turkish industrial group *United Brothers Holding (UB)* has finalised negotiations with the Iraqi authorities for revamping and upgrading Iraq's *State Company for Iron & Steel (SCIS)*, which had been out of operation since April 2003. The entire revamp is scheduled for completion by 2015, and will result in a long products capacity of 1 million tpy.
- Korean plant builder *STX Heavy Industries* has signed a memorandum of understanding with the Iraqi government to build a 3 million tpy integrated steelworks in Basra province, in southern Iraq. The works will produce 1.2 million tpy each of hot rolled coil and rebar, plus 600 000 tpy of sections. After the USD 3 billion project is completed, the works will be managed by *State Company for Iron & Steel*.

Jordan

- Billet and bar producer *Jordan Steel* planned to begin modernisation work on its electric-arc furnace melt shop and billet caster in April 2012, with the aim of increasing billet capacity to 360 000 tpy.
- The management consultancy *Reach Group* began steelmaking activity by starting a 45 000 tpy billet plant in Jordan. Rebar and merchant bar production capacity is planned to be added at a later date.
- *Taybah Steel* has commissioned an EAF-based long product steelworks in the newly inaugurated Al-Muwaqar Industrial Estate, located to the south-east of Amman, Jordan. The Saudi-Jordanian-British joint venture has a 150 000 tpy billet capacity and plans to bring a 150 000 tpy rebar mill online.

Kuwait

- India's *Kanoos Group* was investing in its Gulf Steel plant project in Kuwait while concentrating on a similar facility in the Kurdistan region of Iraq. The project involves a 100 000 tpy plant.

Oman

- *Shadeed Iron and Steel*'s DRI complex is currently undergoing a second phase of expansion, which involves the construction of a steel melt shop, including an electric-arc furnace, a ladle furnace and a continuous casting machine for billets and blooms. The 2 million tpy melt shop was expected to be commissioned in the summer of 2013, with a capacity that is to expand to 4-5 million tpy by 2016. *Shadeed Iron and Steel* is also looking to add rolling mills for rebar, sections and pipes.

- *Sharq Sohar Steel Rolling Mills* is installing a new 80-tonne electric-arc furnace that will boost its melting capacity from 250 000 tpy to around 700 000 tpy in the middle of 2013.

Qatar

- The *Watania Steel project*, under the name of *Arkan Steel*, was expected to commission a new plant producing black and annealed wire, as well as nails, in the Saudi Arabian capital of Riyadh in mid-2012. A 750 000 tpy rebar and medium sections mill was scheduled to be launched at the same site at the start of 2013. A 750 000 tpy electric arc furnace meltshop and billet caster to feed the rolling mill will be built at a later date.
- *Qatar Steel* had plans to bring its new 1.1 million tpy electric-arc furnace melt shop online by December 2012. The new EAF, ladle furnace and continuous billet caster will replace an existing melt shop containing two smaller EAFs, and will raise billet capacity to 2.8 million tpy.

Saudi Arabia

- The commissioning of Saudi Arabia's *Al Atoun Steel Industries* new rebar mill in Yanbu Industrial City 2 – north along the Red Sea coast from Jeddah – was delayed until the fourth quarter of 2013 as the company awaited for allocation of power to supply the new facility. Once it comes on stream, the electric-arc furnace plant will be capable of producing 900 000 tpy of billet and 500 000 tpy of rebar, rounds, squares and angles.
- Saudi Arabian steelmaker *Rajhi Steel* plans to launch new DRI and billet plants to feed its new rebar mill. Both facilities will have a capacity of 1 million tpy.
- *Rajhi Heavy Industries*, which is part of *Mohamed Al-Rajhi & Sons Holding Company* (who owns *Rajhi Steel*), plans to have a capacity of 1.8 million tpy for direct reduced iron, 650 000 tpy for hot briquetted iron production, and a 2 million tpy melt shop installed in March 2016.
- The private Saudi-based *Al-Tuwairqi Holding Company* will start production at a new steel complex. The complex, with a production capacity of 2 million tpy, will raise the steel billet production capacity of the group to 3 million tpy. The steel complex, which includes a billet unit, a direct reduction unit and a melt shop, will be called the *Arab Iron and Steel Company*. In 2011, *Al-Tuwairqi Holding Company* signed an SAR 7.5 billion debt restructuring deal with a consortium of 18 local and international banks that will enable the *Arab Iron & Steel Company* to complete the project.
- The *Al-Yamamah Company* put its project to install a new melt shop on hold while it negotiates with local authorities over power allocation for the new unit. The 600 000 tpy rebar producer plans to install a 1.2 million tpy electric arc furnace-based billet casting plant and double its rebar capacity to match billet output. The expansion project was initially announced in 2008, when *Al-Yamamah* ordered an EAF from Danieli. However, because of the shortage of power stations in the area, the company was unable to secure energy supply.
- The new billet plant planned by the *National Sulb Company* aims to supply billet to markets in the Gulf Cooperation Council to offset imports into that region. The

plant was built in Rabigh, on the Red Sea coast, and will have a 300 000 tpy billet production capacity. The total value of the investment is quoted at USD 67 million.

- The Italian credit guarantee agency SACE secured a USD 435 million loan provided by HSBC to *Saudi Basic Industries Corporation (SABIC)* for the expansion project of its steelmaking branch, *Hadeed*, in Jubail Industrial City. Italian plant maker Danieli supplied a plant for the production of 1 million tpy of billets and 500 000 tpy of rolled products.
- *South Steel* commissioned its new long product steelworks in March 2012. The first phase of the project involved the construction of an electric arc furnace-based billet plant with a capacity of 1 million tpy as well as a 500 000 tpy rebar mill.
- Qatar's *Al Watania Steel* was reported to have been setting up a steelworks in Saudi Arabia that would produce rails under the name of *Arkan Steel*. The facility will have a 1 million tpy electric-arc furnace melt shop, a bloom caster, and a 750 000 tpy rail mill, making it the first producer of rails in the Gulf Cooperation Council region. Land for the project has been secured and commissioning was expected by the middle of 2013.

Syria

- State-owned Syrian steelmaker *Hadeed Hama* postponed its billet capacity expansion owing to the political disturbance in the country. *Hadeed Hama* originally planned to upgrade its two 25-tonne electric arc furnaces to 30t units, as well as add a new ladle furnace and install two new continuous casters for billet. The upgrades would raise the company's liquid steel capacity to 300 000 tpy. The company's new billet capacity would be 288 000 tpy.
- Syrian rebar producer *Hmisho Steel* expected to commission a new 800 000 tpy melt shop in August 2012. The steelworks includes two blast furnaces, an energy-optimising furnace and a continuous billet caster. The billets would be used as an input in *Hmisho's* existing 500 000 tpy rebar mill in Latakia, with any surplus sold on the open market. Plans have been drawn up to expand the product range to include alloy steels in the future.
- Before the onset of the Syrian crisis, Syrian rebar producer *Joudco Steel* was reported to having been gearing up to begin production at its new 750 000 tpy billet plant in Adra Industrial City, near Damascus.
- *Mediterranean Steel (MedSteel)* completed its billet capacity increase to 750 000 tpy in Adra Industrial City at the end of 2011. However, power shortages in the past have forced it to operate at low rates of capacity utilisation.
- A few years ago, Syrian *Hamsho Group* was looking to build a new melt shop in the country. It would have gone under the name of *Syria Metal Industries* and would have provided billets for a new rolling mill in Damascus. The melt shop would have a capacity of 800 000 tpy of billets. Following the start of billet production, the company aimed to start its new rebar rolling mill capable of producing 450 000 tpy.

United Arab Emirates

- Phase 3 of *Emirates Steel*'s expansion includes construction of a new melting plant, a new HRC mill and ancillary facilities in Musaffah, near Abu Dhabi. Around 1.6 million tpy will be added to the company's capacity.
- *Hamriyah Steel*, a 1 million tpy rebar joint venture between Russia's *Metalloinvest* and *Sheikh Khalifa bin Zayed bin Sultan Al Nahyan*, should begin construction of a DRI plant to supply EAF-based billet casting in the near future.

Yemen

- The social unrest in Yemen forced *Mukalla Iron & Steel* to postpone the commissioning date of its new billet plant. *Mukalla*'s plant, located in the north-eastern town of Hadhramaut, will be equipped with a 150 000 tpy melt shop, including two 18 tonne induction furnaces processing scrap, a ladle furnace and a continuous caster for billet. The company planned on installing a 500 000 tpy rebar mill supplied by Siemens Metals Technologies at the site in the future.

Asia

Steelmaking capacity in non-OECD Asia is expected to increase by 188.5 million tpy in the 2012-2014 period, *i.e.* from 1 030.5 mmt in 2011 to 1 219.0 mmt in 2014. China will account for 73.2% of this increase, with its production capacity expanding by 138.1 million tonnes during the same period. The rate of increase in Chinese capacity is nevertheless slowing. Meanwhile, India will account for 18.5% of the Asian increase and is expected to accelerate its capacity expansion despite some projects having been delayed due to land acquisition problems. Several emerging Southeast Asian economies, such as Viet Nam and Indonesia, have ambitious plans to expand capacity to reduce their high import dependency.

In China, according to the Ministry of Industry and Information Technology (MIIT), during the 11th Five-Year Plan (2006-2010), a total of 122.72 million tonnes of iron-making capacities and 72.24 million tonnes of steelmaking capacities were phased out. Despite these closures, Chinese steelmaking capacity increased from 472.5 million tonnes in 2006 to 863.3 million tonnes in 2011, *i.e.* by 82.7%. In November 2011, MIIT published the 12th Five-Year Plan (2011-15) for the Chinese steel industry, indicating that blast furnaces with a capacity below 400 cubic meters and converters/electric-arc furnaces below 30 tonnes would be closed by the end of 2015. MIIT also set a target for industry concentration, whereby the largest 10 steel mills should account for 60% of China's total steel output by 2015.

Recent Chinese policy measures include guidelines released by the State Council of China, in October 2013, to address overcapacity and advance restructuring in several industrial sectors including steel. According to the guidelines, capacity additions in sectors experiencing significant overcapacity will not be approved and any projects should be compliant with industry regulations. In early 2014, China's Ministry of Industry and Information Technology (MIIT) requested local authorities to submit details on their targets to reduce overcapacity in 2014, in industries including steel. The focus of MIIT has been on Hebei province, where there are plans to reduce crude steelmaking capacity by 15 mmt in 2014 as part of an overall capacity-reduction target of 60 mmt by 2017.

Bangladesh

- India's *Essar Steel Holdings* plans to set up a 2 million tpy steel plant using natural gas as the main source of fuel. The steel plant, estimated to cost USD 2 billion, will make both long and flat products. *Essar Group* will have a 60% stake in the company, with the remainder held by *S Alam Group*, *PHP*, *KDS* and *Abul Khair*.

China

- *Anshan Iron & Steel Group (Angang Group)*, of Liaoning province, is planning to expand its crude steel capacity to 60 million tpy in 2015, and thus become one of the world's top five steel mills, according to the group's announcement in June 2010. China's Ministry of Industry and Information Technology (MIIT) has granted approval for the merger of *Anshan Iron & Steel (Angang)* and Fujian's *Sangang Group*. *Sangang* is indirectly owned by the state-owned Assets Supervision and Administration Commission of China's south-eastern Fujian province through the Commission's subsidiary Fujian Metallurgical Holding Company. *Angang* had planned a 10 million tpy greenfield project in Ningde city in the province of Fujian. However, given concerns over overcapacity, *Angang* decided to put its expansion plan on hold in 2012.
- In late 2012, *Baogang Wanteng Iron & Steel* commissioned a plant with the capacity to produce approximately 1 million tpy of integrated long products. The company aims to double its capacity to about 2 million tpy. The expansion could come on-stream within 2013 at the earliest.
- *Baosteel* plans to invest RMB 12 billion into its Zhanjiang steelworks project with the first tranche of RMB 6 billion coming in the last quarter of 2013 and the balance in 2014. The project officially commenced on July 23, 2013. It will have two 5 050 cubic-metre blast furnaces with an annual capacity of 8.2 million tpy, three converters (8.9 million tpy), three continuous slab casters (8.7 million tpy), a hot strip mill (5.5 million tpy) and a cold strip mill (2.2 million tpy). The company began construction of its hot strip mill and two slab casters in August 2013 and cold strip mill in September 2013. In October 2013, the company began piling work for the construction of the first blast furnace. Civil construction on the three 350 metric ton converters and two 2 150 mm-wide slab casters would follow shortly to ensure that the first converter and slab caster are commissioned simultaneously with the iron making unit by end-2015. Construction of all key facilities of the Zhanjiang project have now been started. The Zhanjiang works is planned to be completed by September 2016. The new steelworks will mainly target automotive and white goods customers in south China, especially those located in the Pearl River Delta.
- *Baotou Iron & Steel Group (Baotou Steel)* was expecting to bring on-stream a new 5 million tpy integrated flats steelworks at its main facility by the end of 2013. The new steelworks would include one 2 250 mm hot strip mill along with a downstream facility. If the new capacities can be commissioned, *Baotou Steel's* crude steel capacity could reach some 17-18 million tpy.
- *Bengang Stainless Steel*, a subsidiary of *Benxi Steel*, a major carbon steel producer in China's Liaoning province, aims to build a new stainless steel production unit with a capacity of up to 800 000 tpy during the five-year period of 2011-2015.

- On 22 September 2013, China's *Chongqing Iron & Steel (Chonggang)* signed a memorandum of agreement (MOA) with Korea's *POSCO* to build a 3 million tpy integrated Finex integrated steelworks at *Chonggang's* Changshou works in China. The unit will be the first Finex plant *POSCO* has built in China and would help give *Chonggang* an extra 3 million tpy of crude steel capacity.
- *Fujian Fuxin Special Steel*, a joint investment by Chinese Taipei-based *Formosa Plastics Group* and *Fujian Sangang Group*, is planning to construct a new stainless steel plant in the south-eastern part of Fujian province. The works is designed to be capable of producing 720 000 tpy and was expected to be commissioned in 2013.
- China's National Development and Reform Commission has granted approval for *Ganxin Iron & Steel*, a company that was founded in 2010 by Jiangxi state-owned *Xinyu Iron & Steel (Xingang)* and a group of Xinjiang-based investors, to start pre-construction work on its 3 million tpy integrated steel works project in Atush city in the Xinjiang Uyghur autonomous region. The project's first phase, with a capacity of about 1 million tpy, includes one 1 250 cubic metre blast furnace, one 65-tonne converter, one six-strand billet caster and one 960 000 tpy bar mill. The starting date of construction was to be determined following central government approval, with the first phase of construction estimated to take around 18 months to complete.
- *Yanshan Iron & Steel*, in northern China's Hebei province, has begun an upstream expansion that will add about 2 million tpy of capacity. The main facilities to be installed include two 1 080 cubic metre blast furnaces, one 150-tonne converter, and one 8-strand bloom/round billet caster. *Hebei Iron & Steel Group*, China's largest steel group, entered into an alliance with *Yanshan Iron & Steel* at the end of 2010.
- *Hebei Jingye Group*, a privately owned steelmaker in northern China's Hebei province, commissioned two 1 260 cubic meter and two 1 080 cubic meter blast furnaces in 2012 to replace two 450 cubic meter BFs eliminated in the third quarter of the same year. The steelmaker now has a crude steelmaking capacity of around 11 million tpy and planned to raise its crude steel output in 2013 by 43% to 10 million tpy.
- *Lianyungang Yaxin Steel*, part of China's privately-owned *Henan Yaxin Steel Group*, expected to start rolling its first steel products in November 2013. The company has installed three wire rod mills with a combined capacity of over 2 million tpy. On 22 October 2013, the steelmaker began test operations on one 150 metric ton oxygen converter. A second converter of the same size was scheduled to come on stream in December 2013.
- Inner Mongolia-based *Huaye Special Steel Company's* relocation project has been approved. Due to the urban construction plan, *Huaye Special Steel* will begin relocating in 2011. The steelmaking production capacity of the new plant is expected to reach 1 million tpy in the coming three years.
- *Inner Mongolia Menghang Casting* started trial production at a 500 000 tpy EAF steelworks in mid-October 2013. The project, located in the Wulateqianqi industrial area, produces construction steel from scrap. The use of scrap ensured that the RMB 680 million project would secure government approval.

- *Jiangsu Heavy Industry Corporation* commissioned a 250 tonnes EAF at its plant in Jiangsu province, near Shanghai, in 2012. It is equipped with the largest electric arc furnace transformer ever manufactured in China. Production capacity at the unit is 1.8 million tpy and output from the rolling unit includes the thickest slab China has ever made.
- *Jiangsu Shagang Group* has started building two new wire rod mills, Nos. 9 and 10, at its main facility in Zhangjiagang. The expansion is the first phase in what could be an additional 3 million tpy of wire rod and crude steel capacity. Commissioning of the new lines is due by the end of 2014, and the company then plans to add two additional rod mills. The first two new rod mills will be fed by a 120 metric ton converter currently under construction. This is one of two converters ordered from MCC Tiangong Group Corporation. The two converters have a combined crude steel capacity of around 3 million tpy.
- *Jiangsu Yonggang Group*, a subsidiary of *Shagang Group* in Zhangjiagang city in eastern China's Jiangsu province, is commissioning a RMB 2.1 billion integrated steel mill able to produce 1 million tpy of semi-finished steel. The company held an inauguration ceremony on May 28 2013, after it successfully hot tested a 110-mt electric arc furnace and a round billet continuous caster on May 16, 2013. These facilities are able to produce 1 million tpy of crude steel.
- *Jiuquan Iron & Steel Group (Jiugang)* has blown-in a new blast furnace at the Yuzhong works of its subsidiary *Yuzhong Iron & Steel (Yugang)*. The 2 800 cubic metre furnace was fired on 28 September 2012 and is the key component of the 2.2 million tpy integrated long steel project that *Jiugang* has been developing since January 2011. The new project adds 2.25 million tpy of pig iron and 1.25 million tpy of crude steelmaking capacity. The project also comprises a 1.1 million tpy rebar mill and two high-speed wire rod mills, each with a capacity of 800 000 tpy.
- Two new 120 mt converters were commissioned on 9 July 2012 by Chinese steelmaker *Kunming Iron and Steel*, at new facilities in the city of Anning in the Chinese province of Yunnan. The annual crude steel production capacity of *Kunming Steel* will increase to 2 million tpy with the two new converters.
- *Lingyuan Iron & Steel (Linggang)* commissioned its 2.5 million tpy steelworks on 19 October 2012, lifting the company's crude steelmaking capacity to 6 million tpy. The company launched the RMB 7.5 billion project in May 2011. The project includes a 2 300 cubic metre blast furnace, two 120 t converters, and two production lines for wire rod and rebar respectively.
- *Anhui Changjiang Iron & Steel*, a construction steel producer owned by *Maanshan Iron & Steel*, commissioned its second 120 metric ton oxygen converter at its works in eastern China's Anhui province on 27 January 2013. The new facility is able to produce about 1.2 million tpy of crude steel. The new converter is part of the second phase of *Changjiang's* 3 million tpy integrated steel works project, which started in 2011 with the construction of two 1.1 million tpy bar rolling mills.

- *Magang Group Holding* is carrying out a relocation and upgrading project in *Maanshan Iron & Steel* and *Magang (Hefei) Iron & Steel*. *Maanshan Steel* will have a new 5 000 cubic metre blast furnace, a 300-tonne converter, and a 1 580 mm hot strip mill.
- *Minmetals Yingkou Medium Plate*, an integrated plate maker in northeast China's Liaoning province will boost its crude steel capacity from 3 million tpy to 5 million tpy with the commissioning of two new blast furnaces and oxygen converters. The company commissioned its 2 400 cubic meter blast furnace in March 2013, and was expected to fire another 2 400 cubic meter blast furnace in August 2013.
- *Nanjing Iron & Steel United (Nangang)*, a top-tier plate producer in eastern China's Jiangsu province, aims to complete and commission its RMB 7 billion technical upgrade by February 2014, expanding its crude steel capacity to 10 million tpy.
- *Panzhuhua Iron & Steel (Pangang)* is constructing its 3.5 million tpy greenfield integrated steelworks in Sichuan province. This works will have 4 million tpy of iron-making capacity, 3.6 million tpy of crude steelmaking capacity and 3.7 million tpy of hot-rolled coil capacity. Construction of the steelworks was launched in 2007 to make use of iron ore reserves in Sichuan province's southwest region. The steelworks' three 1 780 cubic meter blast furnaces were commissioned in May 2011.
- Northwest China's *Shaanxi Hanzhong Hanjiang Iron & Steel* was formally founded on 28 June 2009 through a combination of *Hanzhong Iron & Steel*, *Lueyang Iron & Steel*, and *Hanzhong Jialing Mining*. On the same day, the newly established company held a ground-breaking ceremony for a 5 million tpy expansion project. Hanzhong city plans to initially consolidate its local steel mills and other affiliated assets before creating a larger steel group by merging them with *Longmen Iron & Steel Group*. The Shaanxi government also wants to build new facilities in the province and replace *Hanzhong Steel* and *Lueyang Steel's* outdated ones. A local government official estimated the whole project to finish in 2015.
- *Shaanxi Longmen Iron & Steel* is looking to boost its crude steel capacity from 7 million tpy to 10 million tpy by the end of its twelfth five year plan (2011-2015), to meet demand in north-western China.
- *Shandong Chuanyang Group*, located in eastern China, hot-tested a 120-mt converter in the first half of 2013. The company also plans on installing a second converter.
- *Shandong Iron and Steel Group* has formally started construction of its Rizhao project in June 2013. The group received approval for the project from China's National Development and Reform Commission in April 2013. The investment amounts to RMB 56.748 billion. When completed, the steel plant is expected to produce 8.1 million tpy of pig iron, 8.5 million tpy of crude steel and 7.9 million tpy of finished steel. The steelworks is planned to house two 5 100 cubic meter blast furnaces, two 250-tonne converters and two 200-tonne converters, with accompanying hot and cold strip mills. Port facilities to be built as part of the project include one 300 000 mt berth, three 40 000 mt berths and four 10 000 mt berths. The group has also completed a hot run test at the rebar production line of

its Xinjiang-based Kashi iron and steel project. The Kashi iron and steel project, in which total investment is expected to reach RMB 7.3 billion, involves the construction of a 1 000 cubic meter blast furnace, a 100 mt converter and rolled steel production facilities. The project is expected to have a capacity of 3 million tpy after completion, up from an initial capacity of about 1 million tpy.

- Chinese seamless pipe maker *Shandong Molong Petroleum Machinery (Molong)* inaugurated a new 90-metric ton electric arc furnace in December 2013. The new EAF, which cost RMB 134 million, is located at *Molong's* subsidiary *Shouguang Baolong Petroleum Material*. Design capacity is about 500 000 tpy.
- The No. 5 blast furnace of *Shanghai Meishan Iron & Steel (Meigang)*, a *Baosteel* subsidiary based in Nanjing west of Shanghai, was formally commissioned on 5 June 2012. The furnace was designed with an effective capacity of 4 070 cubic meters, generating annual molten iron output of 3.27 million tpy. The new project raises the company's total crude steelmaking capacity to around 7 million tpy.
- Successful hot load tests have been carried out on the upgraded steel production facilities of *Shanxi Zhongyang Iron & Steel*. The hot load tests involved two converters, one continuous casting machine and other related systems. The upgraded steel production facilities have a capacity of 1.5 million tpy of liquid steel.
- *Shougang Group*, headquartered in Beijing, is aiming to increase its crude steel output to 40 million tpy or more by the end of China's 12th Five-Year Plan (2011-2015). *Shougang Changzhi Iron & Steel (Changgang)*, a subsidiary of *Shougang* based in northern China's Shanxi province, has received approval from the Shanxi provincial government to start an expansion project to replace some of its outdated capacity. The expansion will include the introduction of two 3 200 cubic metre blast furnaces and two 210-tonne converters. A total of approximately 5 million tpy of new iron and crude steel making capacity could be added when completed. The company is looking to boost its total crude steel capacity to about 10 million tpy by the end of 2015. New rolling mills will be mainly for the production of long steel products. With *Shougang's* plant in Beijing's Shijingshan district closed on 31 December 2011, *Shougang* aims for *Changgang* to be its new production base for long steel products. Some of the facilities closed at the Beijing plant will be relocated to *Changgang*.
- *Shougang Yili Steel (Yigang)*, *Shougang's* steelmaking subsidiary in northwest China's Xinjiang Uyghur autonomous region, has completed hot run tests on its 800 000 tpy bar mill. Beijing-headquartered *Shougang Group* acquired *Yigang* in 2008 and in 2010 announced a technical upgrade and expansion of finished steel capacity at the new subsidiary at an estimated cost of RMB 4.2 billion. The upgrade involved replacing two 30-tonne converters and adding a 600 000 tpy high-speed wire rod mill. As a result, *Yigang's* crude and finished steel capacities have been raised to 2 million tpy.
- On 16 May 2013, *Tianjin Metallurgical No. 3 Steel & Youfa Iron and Steel's* blast furnace No. 2 successfully produced molten iron for the first time. With the commissioning of its new blast furnace, the company now has two 1 260 cubic metre blast furnaces with a combined capacity of 2.4 million tpy. The company's blast furnace No. 1 was commissioned on 9 December 2012.

- *Shougang* signed a deal with the Tonghua Economic Development District to base its subsidiary *Tonghua Iron & Steel's (Tonggang)* new 2.7 million tpy integrated mill in the area. In July 2010, *Shougang* took over a 77.59% stake in *Tonggang*, located in Tonghua city in northeast China's Jilin province. The new production base, worth RMB 10 billion, is near *Tonggang's* current operations.
- *Tongling Fuxin Iron & Steel*, in eastern China's Anhui province, commissioned a 1.26 million tpy steel plant in 2012, including a 120-mt converter.
- *Wuhan Iron & Steel (Wugang)* has launched the construction of its long-awaited Fangchenggang steelworks project after receiving approval from the central government on 24 May 2012. The new integrated steelworks is designed to have a capacity to produce 8.5 million tpy of iron, 9.2 million tpy of crude steel and 8.6 million tpy of finished steel, including hot rolled coil, plate and cold rolled coil. The company has decided to build and commission the cold strip mill ahead of its iron, steel and hot rolled coil making facilities, and held a ground-breaking ceremony for the first cold strip mill in July 2013. *Wugang* plans to commission the cold strip mill during the first half of 2015. The plant at Fangchenggang will produce high-end hot- and cold-rolled products mainly for southern China's automotive and white goods industries.
- Chinese steelmaker *Acheng Iron and Steel (Acheng Steel)*, a subsidiary of *Xilin Iron and Steel* based in Heilongjiang province, has completed a hot trial test for its new converter and related equipment. The company also commissioned its 1 080 cubic meter blast furnace in January 2012.
- *Xinjiang Bagang Nanjiang Steel Baicheng (Nanjiang)* commissioned its No.1 blast furnace on March 28 2013. Construction at the Nanjiang project, which cost an estimated RMB 8.8 billion, commenced in August 2010 in the Nanjiang area. The new works hosts two 1 800 cubic-meter blast furnaces and two 120 mt converters.
- *Xinjiang Da'an Special Steel* commissioned its new greenfield integrated steelworks in Hami city in China's Xinjiang Uyghur autonomous region, in the north-west of the country, in August 2013. The new works is able to produce 800 000 tpy of wire rod. Major iron and steel facilities at the plant include a 1 080 cubic meter blast furnace, a 120-mt converter and a five-stand continuous caster.
- *Xinjiang Kunlun Iron & Steel*, in north-western China, commissioned a new rebar mill in May 2013, with a capacity of 1 million tpy. A 630 cubic meter blast furnace and two 60 mt converters had previously been installed.
- *Xinjiang Kunyu Steel* has invested in three blast furnaces of 450 cubic meters, two converters of 50 tonnes, one 1.1 million tpy bar production line and one 70 000 tpy high speed wire rod production line. All of the projects were expected to be completed by the end of July 2013, yielding capacity levels of 1.8 million tpy for the production of pig iron, 1.8 million tpy for crude steel and 1.8 million tpy for steel products.
- *Xinxing Ductile Iron Pipes Xinjiang* has kicked off the second phase of its 3 million tpy integrated steel project in China's Xinjiang Uygur Autonomous Region, with an opening ceremony on 6 September 2013. In the second phase of the expansion, the Xinjiang operation will add an additional 2 million tpy of capacity to its existing level of around 1 million tpy that was commissioned at the end of

2011. The second phase will include 900 000 tpy of bar, 500 000 tpy of section, 300 000 tpy of ductile iron pipe and 340 000 tpy of round billet capacity. The whole project was estimated to cost RMB 4.97 billion.

- Headquartered in Changzhou city, Jiangsu, *Zenith Steel Group* completed an expansion of its crude steel capacity in 2012. The expansion involved a series of technical upgrades which raised the company's steelmaking capacity to 12 million tpy from the previous 7 million tpy level.
- *Zhongyuan Special Steel (Zhongyuan)*, in central China's Henan province, plans to commission a 300 000 tpy steelmaking project in 2015. A new 60-mt electric arc furnace will be built to produce 200 000 tpy of continuous casting billet and 100 000 tpy ingots.

India

- *Adhunik Group* is planning to set up a 1.1 million tpy integrated steel plant in Purulia district, in West Bengal. The company has signed a memorandum of understanding with the government of Karnataka to build a 2.2 million tpy steel plant in the Raichur district of Karnataka.
- Over the past several years, *ArcelorMittal* has signed separate memoranda of understanding with the governments of three states to build a 6 million tpy steel plant in Karnataka and 12 million tpy plants in Jharkhand and Odisha. However, problems related to land acquisition, captive iron ore security, and other challenges have caused significant delays. In July 2013, the company decided not to progress with the construction of the plant in Odisha, but indicated that it would continue to pursue the two projects in Jharkhand and Karnataka.
- *Bhushan Power & Steel Ltd (BPSL)* is working to acquire land for its proposed 3 million tpy integrated steelworks in Jharkhand.
- *Bhushan Steel* recently added a 3 800 cubic metre blast furnace with an annual capacity of 3 million tpy at its plant at Angul in the state of Odisha.
- *BMM Ispat* has ordered an electric arc furnace with a capacity of 1.1 million tpy and other melt shop equipment for its Danapur steelworks in the Hospet district of Karnataka state. The new plant was scheduled to begin operations by the end of 2013.
- *Electrosteel Steels Ltd (ESL)* has signed a pact with China's *Laiwu Steel Group* whereby the latter will assist in commissioning *ESL's* 2.51 million tpy greenfield integrated steelworks in Bokaro, located in India's eastern state of Jharkhand. *ESL's* Bokaro steelworks will comprise two blast furnaces of 1 050 cubic metres each to feed two 60-tonne BOFs. The crude steel produced will be fed into two five-strand billet casters with a combined capacity of 1.47 million tpy.
- *Essar Steel* completed the expansion of its integrated steelworks at Hazira, in the state of Gujarat, in 2011, lifting crude steelmaking capacity to about 10 million tpy. Production was planned to be ramped up to 80-85% of capacity during the 2012-13 fiscal year. The company is also planning to implement its greenfield steel mill projects: a 3.2 million tpy plant in Chhattisgarh, a 6 million tpy plant in Jharkhand, a 6 million tpy plant in Karnataka, and a 6 million tpy plant in Odisha.

- *Jai Balaji Industries Ltd (JBIL)* announced it had successfully secured funding for the first 2 million tpy phase of its 5 million tpy greenfield plant in Purulia, in West Bengal. The initial phase, which was scheduled for completion in 2013, was expected to cost INR 18.7 billion, of which the bulk was to be financed through a consortium of banks headed by the State Bank of India.
- *Jayaswal Neco* plans to build a 570 000 tpy electric arc furnace in Raigarh, in Chhattisgarh state. The company has also signed a memorandum of understanding with the government of West Bengal to build a 3.2 million tpy integrated steel plant.
- *Jindal Stainless Ltd (JSL)* started operations at its 800 000 tpy greenfield integrated works at Kalinganagar in India's Odisha state. The company has also commissioned its 800 000 tpy hot rolling mill and 400 000 tpy cold rolling mill at the works.
- *Jindal Steel & Power Ltd (JSPL)* commissioned a 250-metric ton electric arc furnace at Angul in the eastern state of Odisha in August 2013 as part of its new 6 million tpy integrated steelworks. The EAF has a production capacity of 2.5 million tpy and is India's largest such furnace. It is also the second largest in Asia, exceeded in size only by some larger Japanese furnaces. The company is also moving ahead with plans to add another 3 million tpy of crude steel capacity at its integrated steelworks at Raigarh in the central state of Chhattisgarh. Furthermore, *JSPL* has plans for two greenfield projects in Jharkhand with proposed capacity levels of 5 million tpy and 3 million tpy.
- *JSW Steel* is slowing expansion work at its Vijayanagar steelworks in the southern state of Karnataka due to the lack of guaranteed iron ore supplies. Crude steel production capacity at Vijayanagar was to be lifted to 12 million tpy from 10 million tpy, with the expansion set for completion in 2013. The expansion was to be achieved partly through the installation of a 1.2 million tpy direct reduced iron plant and partly through work on three of the plant's blast furnaces. On the other hand, the company was expected to begin building the first phase of its 10m tpy greenfield integrated steelworks at Salboni in the eastern state of West Bengal around October 2012. However, press reports indicate that the project is currently on hold until there is clarity about iron ore supply for the plant.
- India's *JSW Steel* is looking to boost its crude steelmaking capacity from 3.3m tpy presently to 8 million tpy at the integrated flat products mill of its subsidiary company *JSW Ispat Steel*. The mill is located in Dolvi, in the western state of Maharashtra. The expansion at Dolvi will be undertaken after the merger between *JSW Steel* and *JSW Ispat* has been completed.
- *Kalyani Gerdau Steels*, the Indian special and long steel product manufacturer, which is a subsidiary of the Brazilian steel company *Gerdau*, has begun commercial production at its integrated steel plant. The plant has a capacity of 275 000 tpy and is located in Tadipatri, in Ananthpur district of Andhra Pradesh state, India. The plant consists of iron and steel making facilities using the so-called BF – BOF – LRF – CCM route.
- *Kalyani Steels* has signed memoranda of understanding with the Karnataka state government for building two steelworks, each with a capacity of 3 million tpy. One of the plants will be established in Koppal district and is planned to produce

a mix of carbon and alloy steels. The other would be set up in Yadgir district and would also produce stainless steel.

- *Kamineni Steel and Power India* is setting up a 360 000 tpy round billet manufacturing plant and has also proposed to set up a 220 MW gas based power plant in Narketpally, Andhra Pradesh. The plant will be adjacent to the group's companies *Oil Country Tubular Limited (OCTL)* and *United Seamless Tubular Private Limited (USTPL)*. The company began to build the billet manufacturing plant in April 2011 and had planned to commission it by March 2013.
- *Maharashtra Seamless Ltd (MSL)*, India's largest seamless pipe producer, plans to build a 500 000 tpy steel plant to supply round billet for its pipe-making operations. The proposed plant at Kunekere in the Koppal district of Karnataka state is expected to require an investment of around USD 609 million, which will be funded through debt, reserves and internal accruals.
- *Mideast Integrated Steel*, a *Mesco Group* company, plans to expand steelmaking capacity at Kalinganagar to 3.5 million tpy in five years. The company has already started upgrading its pig iron making facility at Kalinganagar, enabling it to produce 1.2 million tpy of output. In the second phase, the company will install one blast furnace that is 3 200 cubic meters in size, a 3.3 million tpy sinter plant, a coke oven battery with a capacity of 1.50 million tpy, two BOF converters each with a capacity of 100 tonnes, another 5-strand billet caster, and a slab caster.
- Sponge iron manufacturer, *Monnet Ispat & Energy Ltd (MIEL)* signed a memorandum of understanding in 2003 with the Jharkhand state government to set up a 1.5 million tpy direct reduced iron-based steelworks. However, it is reported that the company is contemplating cancelling the project. On the other hand, the company plans to import steel billet to feed a new 500 000 tpy rebar mill. The mill will be the first unit of its 1.5 million tpy brownfield integrated steel works project at Raigarh. Upstream facilities to be commissioned at Raigarh include a 550 cubic metre blast furnace and an electric arc furnace.
- The Indian iron ore miner *National Mineral Development Corporation (NMDC)* has advanced its project to build a 3 million tpy steelworks at Nagarnar in the eastern state of Chhattisgarh, signing a contract in May 2012 with a consortium led by Siemens VAI for the supply of the melting shop. The Chhattisgarh works will host two 67-oven coke batteries, a 140 square metre sinter plant, and a 4 500 cubic metre blast furnace. Russian mining and steelmaking company *Severstal* had been in joint venture talks with *NMDC* to build a 3 million tpy steelworks in India's southern state of Karnataka. However, *Severstal* decided to withdraw from its joint venture project.
- *Neo Metaliks* is investing in a 1.5 million tpy greenfield integrated steel plant in West Bengal, with the investment amounting to approximately Rs 5100 Cr. The project includes a mini blast furnace, a DRI plant, an electric-arc furnace, an induction furnace and a 250 MW power plant.
- State-owned *Steel Authority of India Ltd (SAIL)* and Korea's *POSCO* are planning a 3.5 million tpy greenfield integrated steel plant for producing grain-oriented silicon sheets at Bokaro in Jharkhand. *SAIL* already operates an integrated mill at Bokaro and has more land to offer for the new mill.

- *POSCO* signed a memorandum of understanding with the government of Karnataka in June 2010 to build a 6 million tpy steelworks financed by an investment of around INR 300 billion. However, the company finally decided not to progress with the construction in Karnataka because of delays in obtaining iron ore mining rights and securing land. Consequently, both the Karnataka Industrial Area Development Board (KIADB) and *POSCO* agreed to end this project in June 2013. In January 2014, *the company* announced that it had received conditional approval from India's Ministry of Environment and Forests to construct a long-delayed 12 million tpy integrated steelworks in the eastern state of Odisha. The ministry granted approval on condition that *POSCO* spends USD 600 million on social commitments, thus adding to the project's total costs.
- India's state-owned steelmaker, *Rashtriya Ispat Nigam Ltd (RINL)* has nearly completed a project to increase crude steel capacity at its Vizag plant in Vishakhapatnam, in the southern state of Andhra. The new melting shop was recently under commission. It has a capacity of 3.3 million tpy and is equipped with two 150-tonne oxygen converters from SMS Demag to produce 2.8 million tpy of crude steel. Additionally, *RINL* has signed a Memorandum of Understanding with the Andhra Pradesh state government to invest about INR 424 billion for several new projects at its Vizag Steel Plant in the state. *RINL* is planning to invest INR 250 billion to lift the mill's steelmaking capacity to 11.5 million tpy subject to the government allotting captive iron ore supplies. The company has contracted Austrian plant maker Siemens to renew its No.2 blast furnace as part of the project to expand capacity. The furnace No. 2 upgrade will see its inner volume boosted from 3 200 to 3 820 cubic metres. Siemens is also modernising the No. 1 blast furnace at the plant.
- *Rkk Steel* is constructing a BOF shop with a capacity of 400 000 tpy and is scheduled to begin in 2012.
- *Ruchi* and Japanese trader *Mitsui & Co* hope to build a 1.2-1.5 million tpy integrated steelworks in Gujarat. A second phase of expansion would lift capacity to 3-4 million tpy.
- State-owned *Steel Authority of India Ltd (SAIL)* laid the foundations for a new blast furnace No. 8 and a new basic oxygen steelmaking shop at its Bhilai steelworks in Chhattisgarh state. The works will have a 4 060 cubic metre furnace capable of producing 2.8 million tpy and three 160-t converters. Accordingly, crude steel capacity at Bhilai is expected to increase to 7 million tpy from about 3 million tpy previously. Furthermore, the company aimed to complete its expansion work at its IISCO steelworks at Burnpur in the eastern state of West Bengal by the end of 2013. Crude steelmaking capacity at IISCO is being increased to 2.8 million tpy through the expansion project. The IISCO works will have a 4 060 cubic meter blast furnace with a production capacity of 2.75 million tpy and a new steel shop comprising three 150-t basic oxygen furnaces. On 10 August 2013, the company commissioned a new blast furnace ("Durga") at its Rourkela Steel Plant (RSP) in Odisha state, in the eastern part of the country. The blast furnace is the largest such furnace in India with a volume of 4 060 cubic metres. The Rourkela steel plant in Odisha will thus see crude steel capacity increased to 4.2 million tpy. Although the company also has plans to build a new 5.6 million tpy steel plant at the site of the former Fertiliser Corporation of India (FCIL) facility

at Sindri, in Jharkhand, *SAIL* is unlikely to make any investments until land issues have been resolved.

- Goa-based iron ore miner, *Sesa Goa*, is likely to sign a memorandum of understanding (MoU) with the Jharkhand government for a 1.5 million tpy steel plant in the state in the near future.
- *Shyam SEL & Power* is planning to build a greenfield 1.1 million tpy integrated steel works for the production of long steel products at Jamuria in West Bengal's Burdwan district. However, the company has faced coal shortages. According to the company, it has started construction at the Burdwan site but it has not been allocated coal blocks from the local government, which are essential for running the plants.
- *Shyam Steel Industries* signed a Memorandum of Understanding with the government of West Bengal in February 2008. The Group plans to set up two greenfield integrated steel plants – one in Raghunathpur, in the Purulia district, which will have a capacity of 1.1 million tpy, and another in Kharagpur, in West Midnapore, with a capacity of 600 000 tpy.
- Following the merger between *National Mineral Development Corporation (NMDC)* and DRI producer *Sponge Iron India Ltd (SIIL)*, *NMDC* had plans to increase *SIIL*'s rated DRI capacity to 260 000 tpy from its current level of 60 000 tpy. It also intended to integrate downstream by building a 240 000 tpy steel mill in the southern state of Andhra Pradesh.
- Indian steel pipe producer *Surya Roshni* is intending to integrate upstream by establishing a 5 million tpy integrated steelworks in the southern state of Karnataka. Through its affiliate *Surya Vijay Nagar Steel & Power*, the company had signed a Memorandum of Understanding with the state government for a plant to produce hot-rolled coils to feed its pipe mills.
- Pig iron producer *Tata Metaliks*, a subsidiary of *Tata Steel*, has signed a Memorandum of Understanding with the Karnataka state government for building a 3 million tpy steelworks at Haveri. The two firms will collaborate on the project but expect to start work only after iron ore mines have been allotted.
- *Tata Sponge Iron Limited* is planning to construct a 1.5 million tpy steel plant at Beliapada in Odisha. The High-Level Clearance Authority of Odisha has approved the project.
- *Tata Steel* began construction of the Kalinganagar works in Odisha in January 2011. The company expected to commission the first phase of its integrated mill sometime between October 2013 and March 2014. This phase will involve adding 3 million tpy of crude steelmaking capacity to feed the plant's hot and cold rolling mills. The second phase, comprising an additional 3 million tpy of crude steelmaking capacity, is scheduled to be completed by March 2015. On 8 June 2012, the company signed an expression of interest (EoI) with the state government of Karnataka to build a 6 million tpy integrated steelworks in the Haveri district of the southern Indian state. Moreover, the company completed its expansion project at its Jamshedpur works in Jharkhand state in December 2012, lifting crude steelmaking capacity to 9.7 million tpy from 6.8 million tpy. The expansion was mainly in the flat products segment, which now accounts for about 6.5 mil-

lion tpy of the overall installed capacity. The company also plans to construct a 5.5 million tpy greenfield steel plant in Chhattisgarh.

- The Miglani family – the co-owner of cold-roller and galvaniser *Uttam Galva Steels*– has acquired *Brahmani Industries Ltd (BIL)*, which has since been re-named *Uttam Galva Ferrous*. A 2.5 million tpy steelworks project at Kadapa initiated in 2007 has progressed slowly, with only part of the first phase of expansion (1.25 million tpy) having been built at the time of writing. In June 2010, the firm also pledged to build a 6 million tpy integrated steelworks at Bellary.
- *Uttam Galva Steels Ltd (UGSL)* has deferred plans to build an integrated steelworks in the eastern state of Odisha. *UGSL* had first proposed plans in October 2006 for a 3 million tpy fully integrated steel works for flat products in Odisha. The project was to comprise cold rolling, galvanising and other downstream units to manufacture coated steel.
- *Vedanta Resources* has been planning an integrated steel plant in Odisha for some years, and in early 2008 identified a possible site in the Keonjhar district. *Vedanta* put its plans on hold in September 2008 but decided to revisit them in July 2009 when it decided to build the works through *Sesa Goa*.
- *The Videocon Group* has been unable to start work on its INR 210 billion steel project in Durgapur, in West Bengal, until it secures coal linkages. The 3 million tpy project, which includes a 1 200 megawatt captive power plant, has been delayed for the last two years.
- *Viraj Profiles* currently plans to raise its stainless steelmaking capacity by 52% to 528 000 tpy via the addition of an AOD converter at its Tarapur plant in the western state of Maharashtra.
- *Visa Steel* has signed MoUs with the Chhattisgarh and Madhya Pradesh state governments to build 2.5 million tpy and 1.5 million tpy integrated steel plants in those states. The company also plans to add 500 000 tpy of stainless steel capacity.
- Pig iron producer *VSL Steels* plans to construct an additional blast furnace and a 400 000 tpy steel melting shop with rolling mills.
- *Welspun Corp Ltd (WCL)* proposed in August 2009 to set up a steel plant with annual capacity of 1.5 million tpy in Maharashtra. However, the company has kept its proposed steel factory plan on hold due to the shortage of raw materials and energy. Delays in environmental clearances have also contributed to the postponement of the project.
- The Indian-Chinese steelmaking joint venture *Xindia Steels* has commissioned its first-stage 800 000 tpy iron ore pelletising plant in Karnataka. *Xinxing Cathay*, the controlling shareholder of *Xinxing Ductile Iron Pipes*, has a 35% stake in *Xindia Steels*. The partners intend to expand by building an integrated 2.5 million tpy works that will include ductile pipe and cement manufacturing facilities.

Indonesia

- *PT Delta Prima Steel* plans to start commissioning a 100 000 tpy billet mill in Plehari, in the South Kalimantan province. The plant will have DRI facilities, with inputs to the plant supplied from *PT Delta Prima Steel*'s mine nearby.
- *PT Gunung* has placed an order for the supply of an electric arc furnace and ladle furnace for the new steelmaking plant complex in Bekasi, in the Indonesian province of West Java. The furnaces have an annual production capacity of 1.2 million tpy. Commissioning of the furnaces was scheduled for the middle of 2013.
- *Nanjing Iron & Steel (Nangang)*, of east China's Jiangsu province, plans to set up a one million metric tpy steelworks focussed on long products in a joint venture with Indonesia's *PT Gunung Gahapi Sakti (GGS)*. The facility will be established in Medan, in north Sumatra, over the next five years. The proposed plant will have blast furnaces, converters and rolling mills, with 500 000 tpy of capacity being commissioned in three years' time as part of the first of two stages of expansion.
- The new integrated steelworks, a joint venture between Korea's *POSCO* and Indonesia's state-owned *PT Krakatau Steel*, has a capacity of 3 million tpy and formally blew-in its first blast furnace on 23 December 2013. The 70:30 joint venture aims to produce 1.8 million tpy of slab and 1.2 million tpy of heavy plate at full capacity, and is expected to double its crude steelmaking capacity to 6 million tpy in Phase 2. This integrated steel mill project is part of Indonesia's so-called Master Plan to accelerate economic development. It is the first large-scale blast furnace in Southeast Asia and will be *POSCO*'s first integrated steel mill outside of Korea. In January 2014, *PT Krakatau POSCO (PTKP)* delivered its first shipment of heavy plate to two local clients.
- *PT Mandan Steel* has signed a memorandum of agreement with China's *Zhengzhou Yongtong Special Steel* to jointly operate *Mandan*'s 1 million tpy billet plant in Indonesia's Kalimantan province. *Mandan Steel*, which is a subsidiary of Hong Kong-listed *China Nickel Resources Holding*, plans to expand the billet plant's capacity to 3 million tpy in a later phase of the project.
- *PT Semeru Surya Steel* plans to build a 300 000 tpy billet plant, though the starting date of construction was not known at the time of writing.
- The Luxembourg equipment maker *Paul Wurth* is involved in projects to build two new integrated steelworks in Indonesia. Each could produce 3.5 million tpy. It has signed a co-operation agreement for feasibility studies with the Indonesian company *Merukh Enterprises*. Indonesian media reports that the plants will be built in East and West Sumba, East Nusa Tenggara, in the eastern part of the Indonesian archipelago. The potential timeframe was to begin construction work in August 2013, aiming for the plants to begin operation by 2015. The project cost amounts to EUR 20 billion, plus EUR 10 billion for infrastructure.
- The state-owned *Steel Authority of India (SAIL)* and the Indonesian government have signed a memorandum of understanding (MoU) to build a 3 million tpy steel plant in the central Kalimantan province of Indonesia. The plant will have an initial capacity of 3 million tpy that could be further increased to 7 million tpy.

Laos

- *Kunming Steel* is constructing a 200 000 tonne rebar facility in Laos. *Kunming* is investing in Laos together with the *Shanghai Corporation for Foreign Economic & Technological Cooperation*, an engineering and overseas labour contractor. The steelmaker holds a 70% stake in the project. The first phase of the project is expected to cost USD 118 million.

Malaysia

- *Acerinox* and its Japanese business partner *Nisshin Steel* are planning to build a new stainless steel mill, *Bahru Stainless*. In 2011, *Acerinox* announced that it had started the first phase of the 240 000 tpy capacity project, including 182 000 tpy of cold-rolling capacity. The second phase was proceeding with a start-up scheduled for 2013. This will increase capacity to 400 000 tpy and includes another cold-rolling mill. This project will conclude with melting capacity of 1 million tpy and a cold-rolling capacity of 600 000 tpy.
- *Eastern Steel*, a joint venture company between *Hiap Teck Venture Berhad* of Malaysia and *Shougang Group* of China, held a ground-breaking ceremony in Telok Kalong, Kemaman, in Terengganu state for its integrated steelworks. This project involves the installation of a 700 000 tpy mini-blast furnace, which has an inner volume of 600 cubic metres, and a 700 000 tpy slab caster in the first phase. The new plant is expected to start operation in the first quarter of 2014.
- *Malaysia Steel Works (Masteel)* recently completed a RM 80 million expansion at its Bukit Raja meltshop which raised its billet production capacity to 600 000 tpy, up from the original 550 000 tpy capacity level.
- *Melewar Industrial Group* is leading plans to build a 3 million tpy steelworks in Malaysia that will become the country's second largest hot-rolled coil producer. *Maegma Steel*, which will be based just 20 km from *Vale's* iron ore transshipment centre in Malaysia, will have a start-up capacity of 1.5 million tpy in 2015. The second phase, expected to be completed in 2017, will raise hot-rolling capacity to 3 million tpy. The plant's electric-arc furnaces will be fed with direct reduced iron produced in-house from iron ore lumps or pellets supplied by *Vale*, which has already committed 2.4 million tpy for the first stage.

North Korea

- China's *Tangshan Iron & Steel* has planned a 1.5 million tpy steel joint venture in North Korea, which would make it the first Chinese company to develop a steelmaking project in the country. The company signed a letter of intent with the government concerning the construction of the project. However, the project does not seem to be progressing very well.

Pakistan

- *Abbas Steel* had planned to commission a billet plant to feed its rebar and rod mill in June 2012. In the first phase of expansion, the firm will bring an induction furnace and electric-arc furnace on line, along with a two-strand billet caster that will allow for up to 100 000 tpy of billet production. In the second phase of expansion,

which was scheduled for early 2013, billet capacity will be doubled to 200 000 tpy and additional rolling capacity will be added for heavy sections.

- *Pakistan Steel* is planning to increase its steelmaking capacity from its current level of 1 million tpy to 3 million tpy and, in a second phase of expansion, to 5 million tpy. The company has formed a joint working group to oversee its expansion and revamping plans.
- In September 2011, Korean steelmaker *POSCO* committed to investing in the continued expansion of Pakistan's first private sector integrated steelworks, *Tuwairqi Steel Mills Ltd. (TSML)*. The Korean firm has signed a joint venture agreement with *TSML*'s parent company, Saudi Arabia's *Al Tuwairqi Holding*, to acquire a 15% equity stake in the Pakistani project, whose cost is approximately USD 300 million including working capital. *TSML* has taken a step closer to commissioning its new 1.28 million tpy direct reduced iron plant. An electric arc furnace-based billet plant and iron ore mine are planned in the second and third phases of the plant's expansion. The new 2 million tpy steelworks is expected to be completed by 2015.

Philippines

- *Global Steel Philippines* is considering upstream integration of its plant at Iligan, in Mindanao (in southern Philippines), by building an integrated steel works with a capacity of 3.6 million tpy of slabs for its rolling mills.
- *SteelAsia Manufacturing* plans to install a 600 000 tpy meltshop at its Bulacan works and a 400 000 tpy meltshop at Visayas, Cebu, both in 2014 or 2015.

Chinese Taipei

- *Dragon Steel Corp*, a subsidiary of *China Steel Corp (CSC)*, commissioned its 2.5 million tpy No. 2 blast furnace at its Taichung works on 5 March 2013. The second blast furnace is part of a TWD 20 billion second stage expansion and will be the sixth blast furnace operated by the *CSC group*.
- *Hai Kwang Enterprise* will double its melting capacity to 1.2 million tpy by the end of 2014, with a new 100-tonne EAF at its Siaogang works in southern Kaohsiung. The expansion will see the company replace its existing 60-t EAF and add a 1.2m tpy billet facility that will allow the mini-mill to become self-sufficient in billets.

Thailand

- *Sahaviriya Steel Industries* planned to build a new integrated steel plant with a capacity of 4.5 million tpy of hot metal and 5 million tpy of slab and billet. However, the project was delayed due to political instability.
- Thailand's much-delayed plans for a major state-backed integrated steelworks were reported some time ago to be moving forward again, with a team of consultants examining two possible sites for the project. The sites chosen are in Ranot district in Songkhla in southern Thailand and in Laem Sing district in Chanthaburi, on the country's eastern seaboard. Each is said to span about 1 600 hectares. They relate to plans first proposed by the Thai government in late 2007 to create a steel industry hub with foreign help to provide the raw materials for Thailand's

automotive, shipbuilding and appliance industries. It is envisaged that the steelworks will have a capacity of 5 million tpy.

- *Thai Intersteel*, a Thai-Chinese joint venture project, plans to build a 350 000 tpy billet plant in Phetchaburi.
- *Tycoons Worldwide Group* has announced that the company is going to build an electric furnace in Thailand. The designed annual capacity of this new billet production line will be 500 000 tpy.

Viet Nam

- *An Hung Tuong's* 300 000 tpy induction furnace was put into operation in Binh Duong in 2012.
- In 2012, *Dana-Y Steel* started operation of its 350 000 tpy EAF-based plants in Da Nang province. The new meltshop hosts a 40-tonne EAF.
- *E-United* and *Tycoons Worldwide* had planned to start the first phase of their integrated project at Dung Quat Industrial Zone, in Quang Ngai province, in 2013. This plant will have production capacity of 3 million tpy of crude steel.
- Chinese Taipei's *Formosa Plastics Group (FPG)* started its integrated steel mill project in Ha Tinh province, Viet Nam in December 2012. In August 2013, the group signed a joint venture agreement with iron ore miner *Fortescue Metals Group*, and the deal includes a purchase agreement for up to 3 million tpy of iron ore at market prices for *Formosa's* new Ha Tinh steelworks in Viet Nam. It is reported that *FPG* intends to reduce the share it currently holds in the integrated steel works project and that the company is seeking additional investors for the project. In late September 2013, *FPG's* board approved a reduction in investment in the project that lowered the group's stake from the previous 85% to 59%. Meanwhile, construction on the No.1 blast furnace is on schedule, with the 3.5 million tpy furnace expected to be started in May 2015. Two more furnaces of the same capacity are scheduled to start in May 2016 and May 2017, respectively, yielding a combined capacity of 10.5 million tpy. In the project's second phase, the company plans to build another three blast furnaces with a total capacity of 12 million tpy, which would take the entire project's capacity to 22.5 million tpy.
- Malaysian stainless steel fastener producer *Tong Herr Resources* is to build a USD 180 million billet plant at Phu My II Industrial Zone in the Tan Thanh district of Ba Ria Vung Tau province. *Tong Herr* will invest USD 20 million for a 37.04% stake while four Chinese Taipei investors will contribute USD 34 million for a 62.96% stake in the joint venture company, *Fuco International*. *Fuco International* will then be injected into another joint venture company, *Fuco Steel*, for a 90% stake in the steel plant, while *Tong Hwei Investment* will invest USD 6 million for the remaining 10% stake.
- *Hai Phong Steel's* 500 000 tpy induction furnace project was put into operation in Hai Phong in 2012.
- *Hoa Phat Group* commissioned its new integrated steel plant in September 2013. The plant has a 550 cubic metre blast furnace and 450 000 tpy of rolling capacity to produce rebar and wire rod. The new mill also hosts an electric arc furnace and three continuous billet casters.

- *Kyoei Steel Company (KSVC)* will add a 500 000 tpy melt shop and rolling facility. The company will have total capacity of 500 000 tpy with rolling capacity of 950 000 tpy.
- *Nghi Son Iron & Steel Corporation (NSI)* has ordered an electric arc furnace capable of producing 1 million tpy from Italy-based plant maker Tenova. The EAF will be part of *NSI*'s planned Thanh Hoa province plant, located around 200 kilometres south of Hanoi, which was scheduled to start production in the second quarter of 2013. Initially the meltshop was to produce commercial grade billet, with rebar and light sections being the primary final product.
- Korea's *POSCO Specialty Steel (POSCO SS)* began building its first overseas plant, breaking ground on a new 1 million tpy carbon long steel product plant in southern Viet Nam. Hosting a 120-tonne electric-arc furnace and two rolling mills, the plant will produce medium- to large-sized sections and bars, and should be commissioned by July 2014. Danieli is the core equipment supplier and the project will cost about USD 594 million.
- Australia-listed *Vietnam Industrial Investments (VII)* expects to finally begin work on its 500 000 tpy billet plant in Haiphong. The Viet Nam government approved the project in February 2008. The billets would be primarily used in-house, being supplied to the group's re-rollers *SSESteel* and *Vinausteel*.
- *Tata Steel* had earlier planned to launch a 4.5 million tpy integrated plant in the province of Ha Tinh, through a joint venture with *Vietnam Steel Corp* and *Vietnam Cement Industries Corp*. However, recent reports indicate that the company has cancelled the project.
- *Pomina Steel Holdings* built a 1 million tpy EAF-based plant in Ba Ria-Vung Tau province in 2012. The new meltshop hosts a 120-tonne EAF and can produce billets.
- *Viet Trung Mining and Metallurgy* has started construction work on a new cast iron and steel mill with a designed capacity of 1 million tpy. The company was expected to commission its new plant, which houses a 550 cubic metre blast furnace, by the end of 2013.
- *Vietnam Steel Corp (VSC)* officially asked local authorities from Can Tho for permission to rent 50 hectares to build a steel mill in the Hung Phu I Industrial Zone. The mill has a designed capacity of 500 000 tpy of steel billet and 500 000 tpy of rolled steel per year, and was expected to come into operation during 2013. The project is estimated to cost USD 200-250 million.
- A joint venture between southern China steelmaker *Kunming Iron & Steel (Kungang)*, *Vietnam Steel Corp (VSC)* and local miner *Lao Cai Mining*, was reported to have begun its first phase of construction. This first phase included building a 500 cubic metre blast furnace, together with one 50-tonne converter and one 500 000 tpy billet caster. *Kungang* and *VSC* each have a 45% share in the steelworks and *Lao Cai Mining* holds the remaining 10%.
- In June 2012, Japanese-invested rebar maker *Vina Kyoei Steel* broke ground on its long-planned upstream expansion. The company plans to install a meltshop, a billet caster and rolling facilities with the aim of commissioning the facility in 2014. The company will have a total capacity of 500 000 tpy.

Table 5. Non-OECD crude steelmaking capacity

	Million tonnes						Annual growth rate (% per annum)		
	2002	2004	2007	2009	2011	2014	2009/07	2011/09	2014/11
	Non-OECD Europe	15.5	16.0	17.3	18.0	19.8	20.3	2.0	4.8
Bulgaria	3.1	3.1	3.2	3.2	3.2	3.2	0.0	0.0	0.0
Romania	8.2	8.7	9.1	9.1	9.6	9.8	0.0	2.5	0.9
CIS	124.2	123.1	134.6	143.2	146.2	156.5	3.1	1.0	2.3
Russian Federation	70.0	70.0	77.2	83.2	87.8	95.8	3.8	2.7	2.9
Ukraine	41.2	41.2	45.7	47.4	45.4	47.3	1.8	-2.1	1.4
Kazakhstan	6.2	6.5	6.4	6.7	6.7	7.1	2.3	0.0	2.0
Latin America	50.0	51.5	59.6	61.1	66.9	69.4	1.3	4.6	1.2
Argentina	5.8	5.8	6.1	6.6	6.6	6.6	3.7	0.0	0.0
Brazil	33.6	34.7	41.5	41.5	47.2	48.9	0.0	6.7	1.2
Colombia	1.5	1.5	1.5	1.9	1.9	1.9	11.4	0.0	0.0
Peru	1.0	1.0	1.2	1.3	1.3	1.3	4.2	0.0	0.0
Venezuela	5.1	5.5	6.1	6.2	6.2	7.1	0.6	0.0	4.4
Africa	26.9	29.6	30.4	31.4	33.2	38.5	1.5	2.9	5.0
Algeria	2.4	2.4	2.6	2.6	2.6	2.6	0.0	0.0	0.0
Egypt	7.6	8.8	8.8	8.8	9.3	13.2	0.0	2.5	12.4
Libya	1.4	1.4	1.8	1.8	1.8	2.2	0.0	0.0	7.0
Nigeria	1.2	2.7	2.7	2.9	2.9	3.7	3.2	0.0	8.4
South Africa	11.8	11.8	11.8	12.3	12.3	12.3	1.9	0.0	0.1
Middle East	14.7	15.9	21.5	28.1	35.2	59.9	14.3	11.8	19.4
Iran	8.8	9.5	11.2	15.5	19.2	31.3	17.6	11.2	17.8
Qatar	0.9	0.9	1.5	1.5	1.6	2.3	0.0	4.0	12.6
Saudi Arabia	3.8	4.3	7.3	7.4	7.9	11.5	0.8	3.3	13.1
United Arab Emirates	0.1	0.1	0.1	1.9	3.3	4.0	301.6	31.5	6.6
Asia	296.8	449.1	739.0	864.0	1030.5	1219.0	8.1	9.2	5.8
China	197.4	340.1	610.3	718.0	863.3	1001.3	8.5	9.7	5.1
Other Asia	99.4	108.9	128.7	146.0	167.2	217.7	6.5	7.0	9.2
Chinese Taipei	17.7	19.8	22.5	22.8	26.6	28.9	0.6	8.1	2.8
India	40.4	48.0	59.9	75.0	88.8	123.7	11.9	8.8	11.7
Indonesia	5.9	5.9	5.9	6.6	6.6	10.2	5.6	0.0	15.7
Malaysia	7.5	7.5	9.0	9.2	9.9	10.7	1.0	3.7	2.5
Pakistan	3.9	3.9	3.9	3.9	3.9	4.1	0.0	0.0	1.7
Philippines	1.7	1.6	1.8	1.8	1.8	2.4	0.0	0.0	10.0
Thailand	7.4	7.4	8.6	8.6	9.0	9.2	0.0	2.2	0.9
Viet Nam	1.7	1.7	3.4	4.4	6.9	14.5	13.7	25.0	28.3
Non-OECD total	528.1	685.1	1002.5	1145.7	1331.7	1563.7	6.9	7.8	5.5

Notes: CIS denotes the Commonwealth of Independent States.

Table 6. Non-OECD crude steel production

	Million tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Non-OECD Europe	9.0	9.8	10.6	11.1	12.0	11.7	10.0	6.4	7.9	8.3
Bulgaria	1.9	2.3	2.1	1.9	2.1	1.9	1.3	0.7	0.7	0.8
Romania	5.5	5.7	6.0	6.3	6.3	6.3	5.0	2.8	3.7	3.8
CIS	101.2	106.5	113.4	113.2	119.9	124.2	114.3	97.6	108.2	112.7
Russian Federation	59.8	61.5	65.6	66.1	70.8	72.4	68.5	60.0	66.9	68.9
Ukraine	34.1	36.9	38.7	38.6	40.9	42.8	37.3	29.9	33.4	35.3
Kazakhstan	4.8	4.9	5.4	4.5	4.3	4.8	4.3	4.1	4.2	4.7
Latin America	40.9	43.1	45.6	45.0	45.0	47.9	46.9	37.4	44.1	48.2
Argentina	4.4	5.0	5.1	5.4	5.5	5.4	5.5	4.0	5.1	5.6
Brazil	29.6	31.1	32.9	31.6	30.9	33.8	33.7	26.5	32.9	35.2
Colombia	0.7	0.7	0.7	0.8	1.2	1.2	1.1	1.1	1.2	1.3
Peru	0.6	0.7	0.7	0.8	0.9	0.9	1.0	0.7	0.9	0.9
Venezuela	4.2	3.9	4.6	4.9	4.9	5.0	4.2	3.8	2.2	3.1
Africa	15.8	16.3	16.7	18.0	18.7	18.7	17.0	15.4	16.6	15.7
Algeria	1.1	1.1	1.0	1.0	1.2	1.3	0.6	0.6	0.7	0.6
Egypt	4.3	4.4	4.8	5.6	6.0	6.2	6.2	5.5	6.7	6.5
Libya	0.9	1.0	1.0	1.3	1.2	1.3	1.1	0.9	0.8	0.1
Nigeria	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Africa	9.1	9.5	9.5	9.5	9.7	9.1	8.2	7.5	7.6	7.5
Middle East	12.5	13.4	14.3	15.3	15.4	16.5	16.6	17.7	20.0	23.0
Iran	7.3	7.9	8.7	9.4	9.8	10.1	10.0	10.9	12.0	13.2
Qatar	1.0	1.1	1.1	1.1	1.0	1.1	1.4	1.4	2.0	2.0
Saudi Arabia	3.6	3.9	3.9	4.2	4.0	4.6	4.7	4.7	5.0	5.3
United Arab Emirates	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	2.0
Asia	241.8	285.5	342.2	437.8	509.4	585.6	610.7	674.2	748.2	799.5
China	182.2	222.3	272.8	355.8	421.0	489.7	512.3	577.1	638.7	683.9
Other Asia	59.5	63.2	69.4	82.0	88.4	95.9	98.3	97.2	109.5	115.6
Chinese Taipei	18.2	18.8	19.6	18.9	20.0	20.9	19.9	15.8	19.8	20.2
India	28.8	31.8	32.6	45.8	49.5	53.5	57.8	63.5	69.0	73.6
Indonesia	2.5	2.0	3.7	3.7	3.8	4.2	3.9	3.5	3.7	3.6
Malaysia	4.7	4.0	5.7	5.3	5.8	6.9	6.4	5.4	5.7	5.9
Pakistan	1.0	1.0	1.1	0.8	1.0	1.1	1.0	0.8	0.8	0.9
Philippines	0.6	0.5	0.4	0.5	0.6	0.7	0.7	0.8	1.1	1.2
Thailand	2.5	3.6	4.5	5.2	4.9	5.6	5.2	3.6	4.1	4.2
Viet Nam	0.4	0.5	0.7	0.9	1.9	2.0	2.3	2.7	4.3	4.9
Non-OECD total	421.2	474.6	542.7	640.3	720.4	804.5	815.6	848.8	945.0	1007.3

Notes: CIS denotes the Commonwealth of Independent States.

Source: The World Steel Association.

Notes about the regional tables

Methodology

In order to estimate the steelmaking capacity of non-OECD economies in the year 2014, the expansion projects of those economies were classified as “firm”, “possible”, or “unlikely” on the basis of whether they would proceed and be completed by 2014. The criteria used to classify the projects included:

- Current stage of each project - feasibility study, planning, government approval, tendering, construction or suspension of construction.
- Availability of financial resources for each project.
- Domestic steel market - apparent steel consumption in terms of current size.
- Intention of government to establish and expand the industry; and
- Availability of raw materials and energy.

Each project was evaluated for the likelihood of its completion by 2014 according to the above criteria. Although information on a number of aspects was often lacking, the figures included in the tables are considered appropriate in the light of the original sources of information and the evidence available. The classification of projects and comments on their progress do not in any way represent a judgement or imply a view on the advisability or feasibility of the projects.

A project classified as “firm” is one which is under construction or for which contracts have been awarded and to which a major financial or state commitment has been made and which is due and on schedule for completion before 2014. “Possible” projects are those under construction or those for which contracts have been awarded, but which have been delayed due to financial or technical problems and whose completion may not be realised by 2014. “Unlikely” projects are those at the feasibility or early planning stage, those yet to receive financial or state backing and those not scheduled for completion by 2014. In the regional tables, those projects are noted in the column “Comments” and, in some cases, presented in brackets in the column “Increase in capacity”, but are not included in the estimation of steelmaking capacity in the year 2014.

The estimate of each country’s capacity in 2014 has been obtained by adding to their existing capacity the capacity of “firm” projects and half the proposed capacity of all “possible” projects in the country. The principle of including only half the total capacity of possible projects is used as a surrogate for complete project-by-project assessments.

Explanatory notes

Abbreviations used for equipment are:

BF	Blast furnace, of which: - charcoal - coke-based - mini
Corex	Corex ironmaking unit
DR	Direct reduction unit, of which - Codir - Finmet - Fior - HYL - Krupp - Midrex - Plasma - Romelt - SLRN
EPIF	Electric pig iron furnace
ERP	Electric reduction pig iron furnace
IC	Iron carbide
AOD	Argon oxygen decarburisation unit
BS	Basic bessemer converter
EF	Electric-arc furnace, of which - DC - shaft furnace
EOF	Energy optimising furnace
IF	Induction furnace
LD	LD basic oxygen furnace
LF	Ladle furnace
OH	Open hearth furnace
Steelmkg	Unspecific steelmaking unit
CC	Continuous casting machine, of which - slab - thin slab - bloom - billet - round billet
SLM	Slabbing mill
BLM	Blooming mill
BTM	Billet mill
STR	Bar, section, shape, beam or angle mill
WR	Wire rod mill
Plate	Plate mill
Hot	Hot strip mill
Rolling	Unspecific rolling mill
ERW	Electric-resistance welded pipe mill
SAW	Submerged arc welded pipe mill
SMLS	Seamless tube mill
CAPL	Continuous annealing and pickling line

Cold	Cold strip mill
HGL	Hot-dip galvanising line
EGL	Electro galvanising line
ZnAl	Zincaluminum coating line
Tin plate	Tin plate
Ptg	Painting line (colour coating)
Silicon	Electrical sheet/coil line

Capacity figures are nominal or rated capacity. The unit of capacity figures is a thousand tonnes per year, unless otherwise stated.

“Existing capacity” and “Existing equipment” are those estimated as of the end of December 2011.

The capacity figures given in this report have been estimated on the basis of the most reliable information available. Nevertheless, as the information sources are limited, many of the capacity figures quoted relate to the nominal or rated capacity. In some cases, however, nominal capacity figures have been modified in line with data on actual production or aims of modernisation projects.

The “Ownership” column shows a distinction between state-owned plants or projects (S) and those which are privately owned (P).

Sources of information are indicated in the column “Source”. Listed capacity figures are not necessarily identical to these sources’ estimates. The abbreviations used in the “Source” column are:

AME	AME info FZ LLC.
AMM	American Metal Market
ANGP	Angola Press
APL	Asia Pulse
BL	Business Line (published in India)
BNA	Business News Americas
BPOST	Bangkok Post (published in Thailand)
BS	Business Standard (published in India)
BT	Business Times (published in Malaysia)
CMN	China Metallurgical Newsletter
DH	Deccan Herald (published in India)
DJ	Dow Jones Newswires
ET	The Economic Times (published in India)
FE	The Financial Express (published in India)
FT	Financials Times
GURU	SteelGuru
HP	Company home page on the Net
HT	Hindustan Times (published in India)
IHT	International Herald Tribune
IINFO	India Infoline (published in India)
ISWW	Iron and Steel Works of the World (published by Metal Bulletin Books)
KT	Khaleej Times (published in the UAE)
MB	Metal Bulletin
ME	ME Steel (on the Internet)
MP	Metal Producing & Processing
MYSTL	My Steel.com (published in China)

NET	Internet
NFB	News From Bangladesh
REU	Reuters Ltd
SA	Steels Alert
SBB	Steel Business Briefing
SO	SteelOrbis
SWEEK	Steel WEEK (published in UK)
TG	The Telegraph (published in India)
VIR	Vietnam Investment Review
VNS	Vietnam News

Évolution des capacités de production d'acier dans les économies non membres de l'OCDE : Rapport biennal

Introduction

Au cours des dix dernières années, les capacités mondiales de production d'acier ont connu une croissance rapide, imputable, dans une large mesure, aux économies non membres de l'OCDE, en particulier l'Asie où la demande d'acier destiné aux entreprises manufacturières, au secteur de la construction et au déploiement des infrastructures a explosé. Du fait des longs délais de construction et d'agrandissement des installations sidérurgiques, l'évolution des capacités de production d'acier peut être en retard sur celle de la demande. Ainsi, bien que la demande mondiale d'acier ait chuté pendant la crise économique et financière mondiale de 2008-09 puis repris modestement dans certaines économies, les capacités mondiales de production d'acier ont continué d'augmenter régulièrement. En 2011, on les estimait à 1 997.1 millions de tonnes (Mt) dont 1 331.7 Mt, c'est-à-dire 66.7 %, dans les économies non membres de l'OCDE.

Les capacités mondiales de production d'acier devraient continuer d'augmenter en 2012-14, principalement dans les économies asiatiques en développement. La Chine restera en tête en termes de volume. Toutefois, plusieurs autres économies non membres de l'OCDE ont à leur actif une part croissante de la hausse des capacités mondiales, à commencer par l'Inde et l'Asie du Sud-Est où l'évolution est rapide, les sidérurgistes locaux investissant fortement du fait des prévisions optimistes concernant l'essor de la demande d'acier. Doté d'abondantes réserves de gaz naturel et source d'opportunités pour la production en mini-acierie à partir de fer préréduit, le Moyen-Orient est aussi une région dont la capacité de production devrait très vite progresser. Dans la Communauté des États Indépendants (CEI), de nombreux projets de construction de mini-acières sont prévus, ainsi que le remplacement de fours Martin obsolètes et des investissements dans des technologies d'amélioration de l'efficacité énergétique, des ateliers de fusion et des trains de laminage. En Amérique latine, la disponibilité et la proximité des mines de fer devraient favoriser l'avancement d'importants projets de production de brames. Au total, les capacités mondiales de production d'acier devraient atteindre 2 238.2 Mt d'ici 2014, dont environ 69.9 % dans des économies non membres de l'OCDE.

La présente publication fait la synthèse des tendances des capacités de production d'acier dans les économies non membres de l'OCDE et de leurs perspectives à l'horizon 2014. Elle s'appuie pour cela sur le suivi des projets d'investissement effectué par le Secrétariat de l'OCDE à partir de diverses sources d'information non confidentielles. La première partie fait la synthèse des évolutions, y compris les plus récentes, des capacités, et présente les perspectives par pays et par région à l'horizon 2014. Les tableaux par région qui figurent en fin de publication donnent des informations détaillées sur les projets d'investissement des entreprises. Ils précisent notamment les équipements ou technologies de production sur lesquels portent les projets, les calendriers de réalisation prévus et, quand l'information est connue, les modalités de financement.

Résumé

Les capacités de production d'acier des économies non membres de l'OCDE continueront vraisemblablement d'augmenter jusqu'en 2014, mais à un taux de croissance annuel inférieur à celui des dernières années. En 2014, elles devraient atteindre 1.56 milliard de tonnes, soit 232 Mt de plus qu'en 2011 où elles s'élevaient à 1.33 milliard de tonnes. Leur taux de croissance annuel moyen jusqu'en 2014 devrait donc être de 5.5 %.

Un examen des tendances par grandes régions révèle que le gros de cette croissance sera le fait de l'Asie, où les capacités de production d'acier devraient augmenter de 188.5 Mt d'ici à 2014, soit 81.3 % de la hausse totale de 232 Mt estimée pour l'ensemble des économies non membres de l'OCDE. Viennent ensuite le Moyen-Orient (avec une hausse de 24.8 Mt), la CEI (10.3 Mt), l'Afrique (5.3 Mt) et l'Amérique latine (2.5 Mt). Au contraire, les capacités de production d'acier dans les pays européens non membres de l'OCDE n'évolueront guère.

En Asie, la Chine a enregistré une augmentation rapide de ses capacités durant la dernière décennie, son industrie sidérurgique s'étant rapidement développée pour satisfaire les besoins des industries manufacturières, du secteur du bâtiment en plein essor et de gros projets d'infrastructure. En 2011, la capacité chinoise de production d'acier s'établissait à 863.3 Mt, soit 43.2 % du total mondial. Selon les projections actuelles, le pays devrait s'équiper d'une capacité supplémentaire de 138.1 Mt d'ici à 2014, un volume certes considérable mais correspondant néanmoins à un ralentissement du taux de croissance de la capacité, dû en partie à des mesures gouvernementales destinées à freiner l'essor de la sidérurgie et aussi au fait que la phase de progression la plus rapide de la demande d'acier semble désormais terminée. Récemment, des lignes directrices ont été décidées par le Conseil d'État chinois en Octobre 2013 afin de remédier aux surcapacités et favoriser les restructurations dans plusieurs secteurs industriels, dont la sidérurgie. Selon ces lignes directrices, les ajouts de capacité dans les secteurs en surcapacité importante ne seront pas approuvés et les projets devront être conformes à la réglementation de l'industrie. Plus récemment encore, le ministère chinois de l'Industrie et des Technologies de l'information (MIIT) a demandé aux autorités locales de fournir des informations sur leurs objectifs pour réduire les surcapacités dans plusieurs industries, y compris la sidérurgie. Le MIIT a mis la priorité sur la province du Hebei, où il est prévu de réduire la capacité de production d'acier brut de 15 millions de tonnes en 2014 dans le cadre d'un objectif global de 60 millions de tonnes de réduction de capacité en 2017.

En Inde, les aciéristes ont de nombreux projets d'augmentation de capacité, en raison de l'abondance des minerais de fer, du niveau relativement bas des coûts de production et des perspectives favorables de croissance de la consommation d'acier à moyen terme. Les capacités indiennes de production d'acier devraient ainsi passer de 88.8 Mt en 2011 à 123.7 Mt en 2014, même si certains projets d'installations entièrement nouvelles ont pris du retard à cause de problèmes d'acquisitions foncières et de la vive résistance de la population. Dans d'autres économies émergentes asiatiques telles que le Viet Nam et l'Indonésie, les sidérurgistes locaux cherchent à mieux satisfaire la demande croissante des secteurs consommateurs d'acier, ce qui devrait entraîner, là aussi, une augmentation rapide des capacités nationales de production d'acier.

Au Moyen-Orient, les capacités de production d'acier devraient progresser substantiellement, de 35.2 Mt en 2011 à 59.9 Mt en 2014. Les économies de la région enregistrent une très forte croissance de leur demande d'acier, notamment dans le secteur de la construction et du fait d'investissements dans des projets gaziers et pétroliers et dans les activités de raffinage. L'augmentation des capacités devrait principalement avoir lieu en Iran, mais des sanctions internationales pourraient ralentir le processus.

Dans la Communauté des États indépendants (CEI), les sidérurgistes remplacent les fours Martin obsolètes par des convertisseurs à oxygène et des fours à arc électrique et investissent dans des technologies d'amélioration de l'efficacité énergétique, des ateliers de fusion et des trains de laminage. Beaucoup de projets de construction de mini-acières sont prévus dans la région, ce qui reflète les perspectives relativement favorables de croissance du secteur de la construction. Les capacités de production d'acier de la CEI devraient croître de 10.3 Mt pour atteindre 156.5 Mt en 2014.

En Amérique latine, ces capacités devraient s'établir à 69.4 Mt en 2014, soit une hausse modérée de 2.5 Mt par rapport à leur niveau de 2011. Les années passées, les sidérurgistes tant nationaux qu'étrangers ont augmenté leurs capacités de production sous le double effet positif des perspectives favorables de croissance du marché et de la proximité de matières premières essentielles telles que les minerais de fer. La plupart des projets d'expansion ont été menés au Brésil, notamment plusieurs dont la finalité était de construire des unités de production de brames destinées à l'exportation. D'autres projets sont encore prévus, mais certains ont été annulés ou reportés du fait des incertitudes concernant l'évolution future du marché.

En Afrique, les capacités de production d'acier devraient progresser pour passer de 33.2 Mt en 2011 à 38.5 Mt en 2014. Les conflits politiques et sociaux ont eu de lourdes répercussions sur les marchés de l'acier dans certains pays de la région. Néanmoins, à l'échelle du continent, la demande d'acier croît progressivement et beaucoup d'entreprises étrangères continueront d'investir dans des projets miniers en raison de l'abondance des ressources naturelles de la région.

Évolutions récentes

Tendances des capacités, de la production et de la consommation

Les capacités de production d'acier des économies non membres de l'OCDE ont rapidement augmenté au cours des dix dernières années, passant de 528.1 Mt en 2002 à 1.33 milliard de tonnes en 2011, soit une hausse globale de 152.2 %. C'est en Chine que la progression a été la plus spectaculaire : elle a été de 665.9 millions de tonnes, c'est-à-dire 82.9 % des 803.6 Mt de capacité supplémentaire installée hors de la zone de l'OCDE durant la décennie.

Tableau 1. Évolution des capacités de production d'acier

	Millions de tonnes					Variations	
	2002 (A)	2004	2006	2009	2011 (B)	(B-A)	(B/A %)
Europe non OCDE	15.5	16.0	17.3	18.0	19.8	4.2	27.4
CEI	124.2	123.1	127.3	143.2	146.2	22.0	17.7
Amérique latine	50.0	51.5	54.7	61.1	66.9	16.9	33.7
Afrique	26.9	29.6	29.8	31.4	33.2	6.3	23.6
Moyen-Orient	14.7	15.9	18.5	28.1	35.2	20.4	139.0
Asie	296.8	449.1	595.8	864.0	1030.5	733.7	247.2
Chine	197.4	340.1	472.5	718.0	863.3	665.9	337.4
Autres pays d'Asie	99.4	108.9	123.3	146.0	167.2	67.8	68.2
Total non OCDE	528.1	685.1	843.4	1145.7	1331.7	803.6	152.2

Note : CEI signifie Communauté des États Indépendants.

Taux d'utilisation des capacités et de couverture des besoins

Comme on le voit dans le tableau ci-dessous, les capacités totales de production d'acier des économies non membres de l'OCDE s'élevaient à la fin de 2011 à 1.33 milliard de tonnes dont 75.6 % étaient utilisées. Les taux d'utilisation des capacités ont dépassé 70 % en Asie, dans la CEI et en Amérique latine mais sont restés relativement faibles dans les pays européens non membres de l'OCDE, en Afrique et au Moyen-Orient, à 42.0 %, 47.3 % et 65.4 % respectivement.

Tableau 2. Taux d'utilisation des capacités

	Millions de tonnes			Taux d'utilisation (B/A %)
	Capacité 2011 (A)	Production d'acier brut 2011 (B)		
Europe non OCDE	19.8	8.3		42.0
CEI	146.2	112.7		77.1
Amérique latine	66.9	48.2		72.0
Afrique	33.2	15.7		47.3
Moyen-Orient	35.2	23.0		65.4
Asie	1030.5	799.5		77.6
Chine	863.3	683.9		79.2
Autres pays d'Asie	167.2	115.6		69.1
Total non OCDE	1331.7	1007.3		75.6

Note : CEI signifie Communauté des États Indépendants.

Sources : OCDE (pour les capacités) et World Steel Association (pour la production).

Le taux de couverture des besoins en acier exprime la production d'acier d'une économie en pourcentage de sa consommation apparente d'acier. L'Afrique et le Moyen-Orient enregistrent certains des taux les plus faibles, bien en deçà de 100 %, ce qui montre qu'une part importante de la demande des pays de ces régions est satisfaite par de l'acier importé. Si l'Asie du Sud-Est dépend elle aussi lourdement des importations pour satisfaire sa demande, l'Asie dans son ensemble affiche un taux de couverture des besoins proche de 100 % du fait, principalement, des exportations substantielles de la Chine. Enfin, le taux de la CEI s'établit très haut à environ 180 %, ce qui reflète la vocation exportatrice des sidé-

urgistes de la région. L'Ukraine, notamment, possède l'une des industries sidérurgiques du monde les plus axées sur l'exportation.

Tableau 3. Taux de couverture des besoins en acier brut

Millions de tonnes

	Production d'acier brut (C)		Consommation apparente (D)		Taux de couverture des besoins (C/D %)	
	2007	2011	2007	2011	2007	2011
Europe non OCDE	11.7	8.3	14.4	9.8	81.8	84.5
CEI	124.2	112.7	65.6	62.7	189.3	179.6
Amérique latine	47.9	48.2	43.7	48.4	109.7	99.5
Afrique	18.7	15.7	26.4	28.2	70.8	55.6
Moyen-Orient	16.5	23.0	44.7	51.3	36.8	44.9
Asie	585.6	799.5	572.7	817.7	102.3	97.8
Chine	489.7	683.9	435.9	649.9	112.4	105.2
Autres pays d'Asie	95.9	115.6	136.8	167.8	70.1	68.9
Total non OCDE	804.5	1007.3	767.3	1018.1	104.9	98.9

Notes : CEI signifie Communauté des États Indépendants.

Sources : Calculs de l'OCDE à partir de données de World Steel Association.

Perspectives à l'horizon 2014

Entre 2011 et 2014, le total des capacités de production d'acier brut des économies non membres de l'OCDE devrait passer de 1.33 milliard de tonnes à 1.56 milliard de tonnes, soit une augmentation de 17.4 % sur l'ensemble de la période, ce qui correspond à un taux de croissance annuel moyen de 5.5 %.³ En volume, c'est la Chine qui devrait connaître le plus fort accroissement de capacité, avec 59.5 % du total estimé pour l'ensemble des économies non membres. Viennent ensuite l'Inde (15.0 %), l'Iran (5.2%), la Fédération de Russie (3.4%), l'Arabie saoudite (1.5 %) et l'Ukraine (0.8%).

Tableau 4. Estimations des capacités de production d'acier en 2014

Millions de tonnes

	Existantes 2011 (A)	Accroissement d'ici 2014			Capacité en 2014			Variations	
		Ferme	Possible	Improbable	Moyenne (B)	Faible	Elevée	Volume (B-A)	% (B/A)
Europe non OCDE	19.8	0.3	0.6	1.4	20.3	20.0	20.7	0.6	2.9
CEI	146.2	8.3	4.0	34.0	156.5	154.5	158.5	10.3	7.1
Fédération de Russie	87.8	6.4	3.2	7.6	95.8	94.2	97.4	8.0	9.1
Ukraine	45.4	1.9	0.0	25.7	47.3	47.3	47.3	1.9	4.3
Amérique latine	66.9	1.7	1.7	33.5	69.4	68.6	70.3	2.5	3.8
Brésil	47.2	1.7	0.0	27.7	48.9	48.9	48.9	1.7	3.5
Afrique	33.2	4.1	2.5	24.1	38.5	37.3	39.7	5.3	15.9
Moyen-Orient	35.2	19.9	9.7	35.9	59.9	55.1	64.7	24.8	70.4
Iran	19.2	8.9	6.5	23.4	31.3	28.1	34.5	12.1	63.4
Arabie saoudite	7.9	2.9	1.3	6.2	11.5	10.8	12.1	3.6	44.8
Asie	1030.5	178.1	20.9	370.4	1219.0	1208.6	1229.4	188.5	18.3
Chine	863.3	132.4	11.4	55.0	1001.3	995.6	1007.0	138.1	16.0
Inde	88.8	31.3	7.2	258.0	123.7	120.1	127.3	34.9	39.3
Total non OCDE	1331.7	212.3	39.3	499.2	1563.7	1544.1	1583.3	232.0	17.4

Notes : CEI signifie Communauté des États Indépendants.

³ La méthode utilisée pour estimer les capacités de production d'acier est décrite dans les notes explicatives. Les accroissements de capacité indiqués ci-après sont des « estimations moyennes ».

Les augmentations de capacité prévues dans les économies non membres de l'OCDE dans les prochaines années pourront s'appuyer sur une croissance poursuivie et régulière de la demande d'acier et de la disponibilité des matières premières. Si la Chine reste celle qui construira le plus d'installations nouvelles, d'autres économies en développement vont elles aussi contribuer de plus en plus à l'expansion, leurs gouvernements s'étant fixé pour objectif d'accroître la production nationale d'acier et dans certains cas, de couvrir la totalité des besoins nationaux en acier. Le Moyen-Orient, la région de la CEI, l'Inde et d'autres économies asiatiques en développement jouent un rôle grandissant à cet égard. Le tableau ci-après fait la synthèse des principaux investissements par économie.

Europe non OCDE

Bulgarie

- Le producteur bulgare de fers à béton *Helios Metalurg* recherche des partenaires dans le cadre d'un projet destiné à mettre en service un four à induction de 100 000 t/an sur son site de Plovdiv, à proximité du laminoir de 140 000 t/an qu'il exploite déjà. En avril 2011, il a entamé la construction du bâtiment lui-même, notamment du hangar de production où doit être installé le four.
- Le sidérurgiste bulgare *Stomana Industry* a annoncé un programme d'investissement de 70 millions EUR qui comprend notamment l'installation d'un nouveau four à arc électrique financé par un prêt de l'*International Finance Corporation* (IFC). Ce nouveau four devrait lui permettre de réduire sa consommation d'électricité et de gaz naturel.

Lettonie

- Au premier semestre de 2011, *Liepajas Metalurgs* a investi 36.4 millions EUR dans la construction d'un four à arc électrique. L'entreprise a fait savoir que les travaux relatifs à l'aciérie se poursuivent et que l'installation des équipements a bien avancé. Il était initialement prévu que le four et le nouveau laminoir soient installés à l'automne 2011.

Lituanie

- Une nouvelle entreprise sidérurgique russe, *AV-Stal*, a le projet d'implanter une « micro-aciérie » d'une capacité de 120 000 t/an en Lituanie. Le calendrier communiqué indique un démarrage de la construction à la mi-2010 et la fin des travaux deux ans plus tard.

Roumanie

- L'entreprise minière et sidérurgique *Mechel* a terminé la première phase de modernisation du site de sa filiale roumaine *Ductil Steel Otelu Rosu*. L'investissement de 48.7 millions USD comprend un nouveau four à arc électrique et une machine de coulée continue de billettes plus perfectionnée. Cette première phase, débutée en 2009, s'est achevée avec la mise en service de l'aciérie rénovée. Les deux phases suivantes doivent permettre de porter la capacité de production de l'usine à 1.3 Mt/an.
- La famille Gupta, basée au Royaume-Uni et au Nigeria et propriétaire du négociant en acier *Liberty Commodities*, prévoyait de mettre en service une nouvelle

mini-usine, *Transdanube Industries*, à Oltenița (Roumanie) à la fin de 2012. Cette mini-usine est destinée à la production de produits longs légers. Les travaux ont commencé sur le site de 20 hectares de l'ancienne unité de coulée de Turol, rachetée par *Liberty Commodities* pour 16 millions EUR à un investisseur privé en 2007. D'un coût estimé à 150 millions EUR, l'installation comprendra un four à arc électrique de 70 tonnes avec système Tenova de chargement continu des ferrailles, ainsi qu'un laminoir à fers à béton fourni par l'équipementier Danieli. Une unité de bobinage et un laminoir à profilés légers seront ajoutés ultérieurement. La mini-acierie devrait produire 500 000 t/an de billettes.

Communauté des États indépendants (CEI)

Dans la Fédération de Russie comme en Ukraine, se préparent de nombreux projets de mini-acieries principalement destinées à approvisionner le secteur de la construction. Certains de ces projets avaient été temporairement reportés à cause de la crise financière. Les sidérurgistes de la région ont entrepris de remplacer les fours Martin obsolètes par des convertisseurs à oxygène et des fours à arc électrique et d'investir dans des technologies d'amélioration de l'efficacité énergétique, des ateliers de fusion et des trains de laminage. Les capacités de production d'acier de l'ensemble de la CEI devraient augmenter de 7.1 % entre 2011 et 2014, c'est-à-dire 10.3 millions de tonnes, pour s'établir à 156.5 millions de tonnes à la fin de la période.

Kazakhstan

- *ArcelorMittal Temirtau (AMT)* avait prévu de reconstruire son haut-fourneau n° 3 pour porter la capacité de production d'acier brut de l'installation à 6 Mt/an d'ici à 2013. Ce projet de 150 millions USD devait être achevé au deuxième trimestre de 2013.
- Le fabricant kazakh de produits longs *Caspian Stal* prévoit d'accroître ses capacités de production de billettes et de fers à béton afin de répondre à la demande croissante de produits longs du Kazakhstan occidental. Il porterait ainsi ses capacités à 150 000 t/an de billettes au lieu des 100 000 t/an actuelles (soit une hausse de 50 %) et 100 000 t/an de fers à béton au lieu des 50 000 t/an actuelles (soit un doublement).
- Selon l'agence nationale d'exportation et d'investissement Kaznex Invest, l'entreprise kazakhe *KSP Steel* a présenté les grandes lignes de son plan de construction d'une unité de production de rails à destination des marchés russe, chinois et kazakh. D'une capacité de coulée et de laminage de 700 000 t/an, cette nouvelle installation devrait entrer en service en 2013 ou 2014.

Fédération de Russie

- *Abinsk Electrometallurgical Plant* a l'intention de mettre en service un four à arc électrique avant la fin du premier semestre de 2014. Selon le projet de conception initiale, le four pourra produire 1.3 Mt/an d'acier brut.
- *AV-Stal* avait prévu de construire une usine de produits longs de 150 000 t/an dans la région méridionale de Volgograd ainsi qu'une mini-usine de fers à béton de 143 000 t/an dans la région de Novgorod. Dans les deux cas, les travaux devaient s'achever en 2013.

- *Chelyabinsk Metallurgical Plant* devait rééquiper deux convertisseurs à oxygène avec des équipements auxiliaires d'ici 2013. À la fin du projet, l'investissement aura permis d'augmenter la production d'acier de 9.5 Mt/an.
- S'appuyant un prêt de la banque d'État russe Sberbank en 2012, *Chusovoy Metallurgical Works (ChMZ)*, filiale d'*United Metallurgical Company (OMK)*, avait prévu d'installer un four à arc électrique d'une capacité de 900 000 t/an en remplacement de ses deux fours Martin existants.
- Il y a quelque temps, le groupe sidérurgique ukrainien *Industrial Union of Donbass* avait reporté le redémarrage de la construction de son usine (à Armavir, dans la région russe de Krasnodar) et avait ainsi repoussé la mise en service à 2016. Cette usine comprendra un train de laminage, ainsi qu'une aciérie d'une capacité de 1.5 Mt/an.
- En 2012, le groupe *Krasnii Yar AO* recherchait un partenaire pour relancer la fabrication de produits longs à l'usine de *Krasnoyarsk Sibelektrostal* en Sibérie centrale. Grâce à ce co-investisseur, il pourrait construire une aciérie et un laminoir sur le site de *Sibelektrostal* en réutilisant l'infrastructure disponible. Mise hors service il y a quelques années et entièrement démolie fin 2009, *Sibelektrostal* était auparavant une installation sidérurgique avec four à arc électrique qui pouvait produire 300 000 t/an. En 2011, l'équipementier italien STG Group a soumis une offre dans laquelle il propose de fournir l'usine complète, avec four à arc électrique et laminoir de 200 000 t/an.
- La société russe *Maxi-Invest* a lancé la construction d'usines de produits longs à Kovrov et Tatarstan. Chacune aura une capacité d'1.2 Mt/an d'acier brut. La première était prévue pour entrer en service en 2013 et la deuxième en 2014.
- *Nizhny Tagil Iron and Steel (NTMK)* envisage d'augmenter sa capacité de production d'acier brut en construisant un deuxième convertisseur à oxygène. L'opération viserait à compenser la perte de 2 Mt/an qui a fait suite à la fermeture de son four Martin en 2009. Grâce à ce nouvel équipement, la capacité de production d'acier de NTMK atteindrait 7.5 Mt/an.
- *NLMK-Sort*, la filiale de *Novolipetsk Steel (NLMK)* spécialisée dans les produits longs, a été annoncée il y a quelque temps comme commençant l'assemblage des principaux équipements de l'aciérie à four à arc électrique qui doit faire partie de la mini-usine de produits longs qu'elle construit dans la région de Kaluga. Cette mini-usine devait entrer en service en 2012. Il était prévu que sa capacité atteigne 1.5 Mt/an d'acier brut et 0.9 à 1.5 Mt/an de produits laminés. *NLMK-Sort* avait aussi décidé d'investir 1 milliard RUB pour moderniser son unité de Nizhnie Sergi.
- *Novosibirsk Metallurgical Works*, une filiale de *ESTAR Holding*, pourrait relancer son projet de production de son propre acier brut et ainsi construire un four pour ferrailles d'une capacité de 300 000 à 350 000 t/an. Elle pourrait ainsi développer sa production de fers à béton, de cornières, de fers en U, de ronds et de brames.
- *Petrostal* prévoit de reprendre son projet d'installation d'un four à arc électrique pour remplacer son four Martin, lorsque la production de son laminoir aura retrouvé son niveau d'avant la crise, qui s'élevait à 22 000 tonnes par mois.

- *Ruspolymet* a déjà commencé à préparer la zone où il construira une mini-usine de produits longs sur son site existant de Kulebaki dans la région de Nizhny Novgorod. D'une capacité prévue de 350 000 t/an de fers à béton, cette mini-usine était prévu pour entrer en service au deuxième trimestre de 2013. Son coût serait de 3 milliards RUB. Elle sera équipée d'un four à arc électrique de 40 tonnes, d'un four à poche et d'une machine de coulée continue à une ligne pour la production de billettes, l'ensemble étant fourni par l'entreprise italienne Danieli.
- *Severstal* a investi 10.7 milliards RUB dans une mini-usine de produits longs à Balakovo. Cette installation devait entrer en service au deuxième trimestre de 2013. Sa capacité sera de plus d'1 Mt/an de produits longs. L'investissement total devrait être d'environ 600 millions USD.
- *Stavropol Steel (StavStal)* a décidé de construire un laminoir à fers à béton à proximité de Nevinnomyssk dans la région de Stavropol (sud-ouest de la Fédération de Russie). Il avait prévu de démarrer les travaux en 2011, une fois le projet approuvé par l'État. Le laminoir aura une capacité de 350 000 t/an de fers à béton mais pourra aussi produire du fil machine. Une fois cette unité pleinement opérationnelle et l'objectif de vente atteint, *StavStal* envisage de compléter l'installation avec un four à arc électrique de 500 000 t/an en 2013 afin de fabriquer ses propres billettes pour relaminage ou vente à d'autres usines de laminage. *StavStal* a commandé le laminoir et un four à arc électrique aux équipementiers turcs Ermaksan Machinery et CVS.
- Le fabricant russe de tubes *Taganrog Steel Plant (Tagmet)*, entité du groupe *TMK*, prévoit de mettre en service son premier four à arc électrique en 2013 puis d'arrêter progressivement ses trois fours Martin. Le projet avait été provisoirement suspendu du fait de la crise économique mondiale. Le four à arc électrique aura une capacité 0.9 à 1 Mt/an d'acier brut.
- L'entreprise russe *TESO Engineering* avait décidé de construire une mini-usine de fers à béton équipée d'un four à arc électrique dans la République de Khakassie en Sibérie méridionale. Elle a soumis une proposition de projet au Comité de l'industrie et de l'environnement de la République. Au moment de la rédaction de ce document, cette proposition était toujours en cours d'examen. La mini-usine sera conçue pour produire 150 000 t/an de fers à béton, ainsi que du fil machine. *TESO Engineering* devrait investir 50 millions EUR dans sa construction qui, une fois le projet approuvé et les autorisations nécessaires obtenues, devrait durer deux ans au plus. Les principaux équipements seront certainement fournis par les industriels italiens Sider Engineering et SIAD Machine Impianti.
- *Unitrade-Contract* a décidé de construire l'usine de produits longs de Tsimlyansky sur le site d'un atelier de réparation automobile désaffecté dans la ville de Kalach-on-Don. L'investissement est estimé à 2.4 milliards RUB. Le projet, actuellement en phase de conception, prévoit d'équiper Tsimlyansky de fours à induction, d'une machine de coulée continue et d'un laminoir et de viser une production de 200 000 t/an d'acier à béton.
- En 2013, l'entreprise russe *Ural Mining and Metallurgical Company (UGMK)* avait prévu de mettre en service sa mini-usine d'aciers spéciaux située dans la région de Tioumen (Oural). Équipée d'un four à arc électrique, cette mini-usine est conçue pour produire 550 000 t/an de barres et de profilés légers en acier à faible teneur en carbone, en acier spécial ou en acier allié. Le projet a été suspendu pen-

dant la crise économique et financière mondiale, mais *UGMK* a repris la construction au début de l'année 2011.

- *Volga Electrometallurgical Plant (VEMZ)* prévoyait de construire une usine de fers à béton équipée d'un four à arc électrique de 300 000 t/an dans la région d'Ivanovo (au nord-est de Moscou). Dans un premier temps, *VEMZ* produira 65 000 t/an de fers à béton. Le coût de l'installation est estimé à 1 milliard RUB.
- *Volga-FEST*, une filiale du sidérurgiste russe *ESTAR Holding* implantée dans la région de Volgograd, a l'intention de moderniser son four à arc électrique et d'installer une nouvelle machine de coulée d'une capacité de 480 000 t/an de billettes.

Ukraine

- *ArcelorMittal Kryviy Rih* avait prévu de porter sa capacité de 8.5 Mt/an à 12 Mt/an d'acier liquide d'ici 2012 grâce à une nouvelle installation d'agglomération, un nouveau convertisseur de 5 Mt/an et une nouvelle machine de coulée de brames. Il était prévu que le four Martin et l'ancien atelier d'agglomération soient fermés.
- Le groupe minier et sidérurgique ukrainien *Metinvest* prévoit d'investir 15 milliards USD pour doubler sa production d'acier brut d'ici 2013-2014. Il consacra 5 milliards USD à l'installation d'*Azovstal*. Selon ses estimations, la production d'acier brut d'*Azovstal* sera portée à 8 Mt/an au cours des quelques prochaines années, la priorité étant donnée à la fabrication de produits plats. *Azovstal* a fermé ses deux derniers fours Martin en mai 2011.
- *Dneprospetsstal* a installé un nouveau four à arc électrique qui devait entrer en service en 2012. D'une capacité de 540 000 t/an, il est destiné à remplacer trois fours existants et nécessite un investissement d'environ 10 millions EUR. Le fournisseur des équipements est l'entreprise Siemens VAI.
- *Dneprovsky Metallurgical Plant*, une filiale de *The Industrial Union of Donbass (ISD)*, prévoit de porter sa production d'acier brut à 7 millions de tonnes d'ici 2020, soit plus du double de la capacité de 2009. Elle a également l'intention d'installer de nouveaux équipements et de reconstruire certaines unités.
- L'entreprise minière et sidérurgique russe *Mechel* a finalisé l'acquisition du fabricant ukrainien de produits longs en acier au carbone ou en acier spécial *Donetsk Electrometallurgical Plant (DEMZ)*. Cette acquisition de 537 millions USD sera payée par versements successifs pendant sept ans. *DEMZ* espère porter sa capacité de production d'acier brut à 1.5 Mt/an d'ici 2015.
- *Donetsk Iron & Steel Works* a différé la mise en service de son four à arc électrique jusqu'en 2012 en raison de la crise financière de 2008-09. L'entreprise avait prévu de moderniser ses aciéries en fermant ses fours Martin et en construisant un four à arc électrique de 150 tonnes.
- Il y a quelques années, l'entreprise ukrainienne de recyclage de ferrailles *Euro Finance* commençait la construction de sa première aciérie, d'une capacité de 1.8 Mt/an. Le contrat de fourniture des équipements a été signé avec Siemens en juin 2008. Il était prévu que l'installation soit dotée d'un four à arc électrique de

120 tonnes et d'un four à poche à deux postes, d'une machine de coulée à huit lignes de billettes et d'un laminoir à produits longs.

- Le fabricant ukrainien de produits plats *Ilyich Iron and Steel Works* planifie actuellement des travaux de reconstruction pour augmenter sa production d'acier. Afin d'atteindre des capacités de 7.2 Mt/an de fonte et de 9 Mt/an d'acier brut, il a élaboré un plan de modernisation prévoyant la reconstruction de son haut-fourneau n°1 et la construction d'un convertisseur à oxygène et d'un module de coulée et de laminage d'une capacité pouvant aller jusqu'à 4.5 Mt/an, parallèlement à la fermeture de son four Martin et d'une installation de coulée de brames. Depuis la fusion avec *Metinvest* en 2010, l'aciérie affiche une production régulière. Son approvisionnement en matières premières est stable et sa structure de vente est désormais unifiée.
- Le fabricant ukrainien de tubes sans soudure et de roues ferroviaires *Interpipe* a démarré des essais de production dans son nouvel atelier de fusion avec four à arc de Dneprosteel en 2012. Il avait prévu de lancer la production commerciale de billettes pour tubes en mars 2012 après quoi il estimait à un an le délai nécessaire pour augmenter progressivement la production jusqu'à atteindre la capacité nominale de 1.32 Mt/an d'acier brut. Parallèlement, il a commencé à fermer tous ses fours Martin, qui sont au nombre de quatre. La capacité cumulée de ces fours dépasse 700 000 Mt/an.
- Le groupe minier et sidérurgique ukrainien *Metinvest* installera une unité de production de brames de 8 Mt/an sur le site de *Makeyevka Iron & Steel Works*. Il s'agira d'une aciérie intégrée qui devrait permettre d'augmenter la production de 444 %.
- *Vorskla Steel*, une société immatriculée en Suisse, s'était préparé à démarrer la construction d'une aciérie à proximité de la ville de Komsomolsk (région ukrainienne de Poltava). Cette aciérie comprendrait deux unités de réduction directe de conception Midrex, deux fours à arc électrique d'une capacité cumulée de 3 Mt/an, deux fours à poche et deux machines de coulée continue de brames.
- Le groupe minier et sidérurgique ukrainien *Metinvest* prévoit de moderniser l'installation de *Yenakievo Iron and Steel Works (EMZ)*. *Metinvest* a achevé la construction du nouveau haut-fourneau n° 3 d'*EMZ* en 2011 et procédera également à la reconstruction de son haut-fourneau n° 1, ce qui devrait porter la capacité de production de fonte à 3.5 Mt/an. Grâce à ce programme d'investissement, *EMZ* aura les moyens de produire 3.5 Mt/an d'acier brut.

Amérique latine

En Amérique latine, les sidérurgistes tant nationaux qu'étrangers ont prévu de continuer d'augmenter leurs capacités de production, du fait des perspectives relativement favorables de croissance du marché et de la proximité de matières premières essentielles telles que les minerais de fer, même si quelques projets ont été repoussés. Dans cette région, la capacité de production des économies non membres de l'OCDE devrait atteindre 69.4 Mt d'ici 2014, soit une hausse modérée de 2.5 Mt ou 3.8 % par rapport à 2011. La plupart des projets d'expansion auront lieu au Brésil, notamment plusieurs dont la finalité est de construire des unités de production de produits longs pour le marché de la construction. De nouveaux projets d'unités de production de brames dans le pays sont en cours, cependant certains d'entre eux ont pris du retard.

Argentine

- *Ternium Siderar* prévoit de porter sa capacité de production d'acier à 5.1 Mt/an et d'installer une nouvelle installation de coulée de brames de 2.3 Mt/an, comme annoncé en 2007.
- *Gerdau* a annoncé que son plan de construction d'une usine entièrement nouvelle de produits longs à Pérez, en Argentine, est toujours en cours d'évaluation. Son projet initialement élaboré pour le marché argentin prévoit une mini-acière de 1 Mt/an, dans laquelle l'entreprise investirait plus de 500 millions USD.

Bolivie

- La nouvelle unité de réduction directe de fer de *Jindal Steel Bolivia (JSB)* implantée sur le gisement d'El Mutún devrait entrer en service en novembre 2014. D'un coût estimé à 129.5 millions USD, elle sera construite par l'entreprise américaine Midrex Technologies et produira 2 Mt/an de fer préréduit (DRI) destiné à alimenter l'aciérie voisine. En 2007, *JSB* a obtenu le droit d'exploiter 20 milliards de tonnes de minerai de fer des mines d'El Mutún. Établi pour 40 ans, le contrat prévoit la mise en œuvre d'une aciérie intégrée de 1.7 Mt/an.

Brésil

- L'entreprise *Vale* a mis en attente la construction de deux aciéries dans le nord et le sud-est du Brésil. Les travaux du site de *Aços Laminados do Pará (Alpa)* ont été arrêtés à la mi-2012 après que le gouvernement fédéral ait stoppé ses projets d'amélioration des installations portuaires et de navigation sur le fleuve Tocantins qui auraient permis aux aciéries d'expédier leurs produits et de recevoir des matières premières. *Alpa* devait entrer en service en 2013. La société continue également à développer le projet sidérurgique *Companhia Siderúrgica de Ubu (CSU)* et cherche un partenaire majoritaire. Le projet de 5 milliards de dollars permettant la production de brames sera situé dans l'état de Espírito Santo au sud-est du Brésil, devrait produire 5 millions de tonnes par an. Initialement, les opérations sur sites devaient commencer en 2014.
- *ArcelorMittal Aços Longos* a repris les projets d'expansion de ses unités de production brésiliennes de produits longs de Juiz de Fora et Monlevade, avec un investissement total de BRL 352 millions. Ces projets d'expansion ont été retardés depuis novembre 2011 en raison du ralentissement économique mondial et de la faiblesse des marchés. L'investissement va ajouter 200 000 tonnes par an de capacité d'acier brut à Juiz de Fora, dans l'État de Minas Gerais, lui permettant d'augmenter la production de billettes. Au Monlevade, l'entreprise augmente sa capacité de production de fil machine d'environ 1,2 million de tonnes par an à 2,3 millions de tonnes par an d'ici la fin 2014 avec l'installation d'un troisième laminoir. La production de Juiz de Fora, en même temps que les 200 000 tonnes par an de capacité d'acier brut de l'unité Cariacica de l'entreprise dans l'état d'Espírito Santo, soutiendra une augmentation de la production de fil machine à Monlevade.
- Avec le soutien du groupe minier et énergétique brésilien *Aurizônia* soutient un projet de *Companhia Siderúrgica do Mearim (CSM)* qui prévoit la construction, sur un nouveau site (dans l'État du Maranhão au nord du pays), d'une unité de production de brames d'une capacité de 10 Mt/an. La première tranche du projet comprend une unité de 3.5 Mt/an, à laquelle viendront s'ajouter deux autres mo-

dules qui devraient porter la capacité à 10.5 Mt/an. Mais le calendrier de réalisation de la deuxième tranche est encore indéterminé.

- Le futur entité de production de brames *Companhia Siderúrgica do fabricant Pecém (CSP)*, dans l'État de Ceará au nord-est du Brésil, est conçue pour produire 3 millions de tonnes par an de brames dans sa première phase et devrait démarrer au second semestre de 2015. La production de brames pourrait atteindre 6 millions de tonnes par an dans une seconde phase. *CSP* est une joint-venture entre le groupe minier brésilien Vale (50 %) et les producteurs d'acier coréen Dongkuk (30 %) et POSCO (20 %). Il est indiqué que Vale a l'intention de réduire sa participation après que la construction du projet soit terminée. L'investissement total dans *CSP* des trois partenaires pourrait atteindre USD 5,1 milliards. Fin 2013, le projet de construction avait atteint un taux d'achèvement de 44,1%. En Août 2013, la zone spéciale pour l'export (*ZPE*) dans l'état du Ceará au nord-est du Brésil aurait octroyé à la *Companhia Siderúrgica do Pecém (CSP)*, ainsi qu'à d'autres entreprises, des avantages pour les livraisons à l'étranger. En Décembre 2013, l'Institut Brésilien de l'Environnement et des Ressources Naturelles Renouvelables (*Ibama*) a autorisé le démarrage de la deuxième phase d'expansion du terminal portuaire Pecém, dans l'État du nord-est de Ceará .
- Un complexe sidérurgique brésilien doit être construit dans l'État du Pará au nord du Brésil. Le projet a été reporté en Juillet 2011 lorsque les dirigeants ont décidé, en raison des conditions sur le marché mondial de la sidérurgie, de continuer à développer des projets en interne, plutôt que dans le cadre d'une nouvelle entreprise. Initialement prévue pour démarrer en 2015, l'aciérie comprendrait une usine capable de produire 2,5 millions de tonnes par an, une cokerie et un terminal portuaire capable de traiter 15 millions de tonnes par an. La co-entreprise associerait Cosipar, filiale d'Usipar, le russe Mechel et Igor Zyuzin, à travers le producteur de bobines Mir UK Steel.
- L'entreprise minière et sidérurgique brésilienne *CSN* prévoit de débiter l'exploitation de sa nouvelle usine de produits longs avec une capacité de 500 000 tonnes par an au cours du premier semestre 2014. L'usine est déjà dans la phase de test. Cette installation est située au sein du site qui produit des aciers plats à Volta Redonda, État de Rio de Janeiro. L'usine produira principalement des fers à béton, ainsi que des barres et fils. Les investissements dans la nouvelle usine totalisent 1,2 milliard BRL. *CSN* sera la cinquième entreprise sur le marché des produits longs brésiliens aux côtés de *ArcelorMittal*, *Gerdau*, *Votorantim Siderurgia* et *Sinobrás*. *CSN* prévoit également de construire deux nouvelles usines avec chacune une capacité de 500 000 tonnes par an, mais la société n'avait n'a pas encore divulgué les emplacements de l'usine.
- *Gerdau* investirait 2.47 milliards BRL pour installer un laminoir pour produits longs ce qui augmenterait de 50 % la capacité de production d'acier brut de son usine de Cosigua à Rio de Janeiro. La capacité de production de l'aciérie serait portée à 1.8 Mt/an tandis que le laminoir pourra fabriquer 1.1 Mt/an de fers à béton et de fil machine. Initialement, la phase liquide de Cosigua avait été élargie de 50% en 2012, tandis que la nouvelle usine de laminage était prévue pour être opérationnelle en 2013, avec une capacité initiale de 600 000 tonnes par an. La nouvelle unité de production de produits plats de *Gerdau*, construite au sein de son site d'Açominas dans l'état de Minas Gerais, était prévue pour entrer en production en mars 2013, après des investissements totaux de BRL 2,4 milliards. La

ligne de production, qui a été construite à l'usine de Açominas, aura la capacité de produire 800 000 tonnes par an de bobines et, en deux ans, la société a également planifié de produire des tôles fortes.

- Le projet de four à arc électrique de capacité de production de 1,2 million de tonnes de billettes par an de *Grupo Ferroeste*, dans l'état de Maranhão, était initialement prévu pour mars-avril 2011. La pleine capacité devrait être atteinte en 2014.
- *Simec* le producteur mexicain de barres et sections avait commencé à construire une nouvelle usine dans l'état brésilien de São Paulo à travers sa filiale *GV do Brasil* en 2012. L'usine est conçue pour atteindre une capacité de production annuelle de 520 000 tonnes par an de billettes et de 400 000 tonnes par an de barres et fil machine, pourrait être étendue à 560 000 tonnes par an et devrait entrer en service en février ou mars 2014. L'usine produira des barres d'armature et des barres de qualité spéciale (SBQ) grâce à un four à arc électrique de 65 tonnes en utilisant uniquement de la ferraille.
- *Ternium* a décidé de ne construire ni une aciérie ni une usine de pelletisation de minerai de fer au port de Açú, dans l'état de Rio de Janeiro au sud-est du Brésil. En décembre 2013, l'agence antitrust brésilienne Cade a approuvé le transfert de toutes les actions du projet de production d'acier, connu sous le nom *Siderurgica do Norte Fluminense*, à la société de logistique *LLX* sans aucune restriction. *Ternium* prévu de dépenser 2,5 à 3 milliards USD pour produire 2,5 millions de tonnes par an de brames.
- *Wuhan Iron & Steel Group (Wugang)* a suspendu le projet d'aciérie intégrée de 5 Mt/an de la coentreprise qui l'associe au groupe minier et sidérurgiste brésilien *EBX*. Le projet avait fait peu de progrès, en partie en raison des coûts d'investissement en infrastructures élevés, y compris pour un chemin de fer devant transporter du minerai de fer qui avait pris du retard. Les deux sociétés ont signé un protocole d'accord en 2009 pour mettre en place la joint-venture, qui aurait vu *Wugang* prendre une participation de 70% et une filiale de *EBX* une participation de 30% dans une usine de brames et plus tard, un laminoir à tôles fortes.

Colombie

- L'entreprise brésilienne *Votorantim Siderurgia* devait porter à 700 000 t/an la capacité d'*Acerías Paz del Río*, une usine intégrée de fabrication de produits plats et longs (l'échéance communiquée pour ce projet était 2012). La capacité actuelle serait de 450 000 t/an.

Pérou

- *Aceros Arequipa* avait des projets d'extension qui devaient lui permettre de porter sa capacité à 1.2 Mt/an. Ce projet, déjà approuvé, a été gelé pendant la crise économique mondiale. L'entreprise attend que les conditions de marché soient meilleures pour lancer les travaux de construction.

Venezuela

- Le projet d'*Aceros del Alba* est une initiative du gouvernement vénézuélien, ce projet prévoit la construction d'une usine d'acier inoxydable en partenariat avec le gouvernement cubain. Située dans l'État de Monagas, l'usine devrait traiter 150 000 t/an, et non les 500 000 t/an prévus au départ.
- L'aciérie vénézuélienne *Siderúrgica Nacional (SN)* est prévue pour atteindre une capacité d'environ 1.55 Mt/an d'acier brut, soit jusqu'à 1.4 Mt/an de brames qui seront transformées en 850 000 t/an de bobines à chaud et 350 000 t/an de tôles fortes.

Afrique

En Afrique, les conflits politiques ont eu de lourdes répercussions sur les marchés de l'acier de certains pays de la région. Néanmoins, la demande d'acier augmente progressivement et beaucoup d'entreprises étrangères prévoient d'investir dans des projets miniers en raison de l'abondance des ressources naturelles africaines. Si l'activité minière croît à un rythme non négligeable, peu de projets de construction d'aciéries sont prévus. La capacité de production d'acier du continent devrait passer de 33.2 millions de tonnes en 2011 à 38.5 millions de tonnes en 2014.

Algérie

- L'algérien *Cevital* prévoit d'investir 3.8 milliards USD dans une nouvelle aciérie, implantée à Bellara, qui pourrait produire jusqu'à 7.1 Mt/an. L'installation devrait comprendre une unité de réduction directe. Les travaux correspondant à la première tranche pourraient être planifiés pour s'achever en 2014, échéance à laquelle le gouvernement algérien prévoit que les capacités de production d'acier brut et de produits longs auront augmenté de 2 Mt/an et de 3.5 Mt/an respectivement.
- Le producteur égyptien *Ezz Steel* se prépare à construire une usine de 3 Mt/an de fers à béton et de fil machine. Le projet comprend deux étapes. Dans un premier temps, le site doit être équipé d'une unité de réduction directe de 1.65 Mt/an et d'un train de laminage d'où sortiraient 1.5 Mt/an de fer à béton et de fil machine. Dans un deuxième temps, une autre unité de réduction directe de même capacité que la première serait construite et la capacité de fabrication des produits finis serait portée à 3 Mt/an.
- Les autorités algériennes devaient appuyer la construction d'une usine de 5 Mt/an à Jijel, en partenariat avec *Qatar Steel*. L'aciériste qatari prendra une participation de 24.5 % dans l'installation qui comprendra deux ateliers de fusion de 2.4 Mt/an équipés d'unités de réduction directe. La production devrait démarrer après 2016.
- Au début de septembre 2011, les travaux ont commencé à Oran, dans l'ouest du pays, sur le site où doit s'élever une nouvelle aciérie à four à arc électrique. La construction de cette usine de 500 millions USD, qui sera contrôlée par le turc *Tosyali*, devait durer 30 mois. D'une capacité de 1 Mt/an d'acier brut, cette usine devait principalement fabriquer des produits longs légers destinés au secteur de la construction.

Égypte

- L'entreprise *Al Ezz Steel Rebars (Ezz Steel)* a démarré la production de fers à béton dans sa nouvelle usine d'*Ezz Flat Steel (EFS)* à Sokhna-Suez au début de l'année 2012, mais au moment de la rédaction de ce document, elle n'avait encore mis en service ni son atelier de fusion, ni son unité de réduction directe de 1.9 Mt/an.
- Le producteur égyptien de barres et de fil machine *Beshay Steel* avait investi dans une nouvelle unité de réduction directe de conception Midrex sur son site de Sadat City. Il avait aussi prévu d'investir dans un atelier de fusion de 1.3 Mt/an, une installation de coulée de billettes de 1.3 Mt/an et un laminoir à barres et profilés de 400 000 t/an.
- Le groupe sidérurgique *Egyptian Steel* investit, par l'intermédiaire d'IIC, dans la construction d'une aciérie de 500 000 t/an avec laminoir à fers à béton à Beni Suef, en partenariat avec un investisseur privé du Qatar. IIC prévoit de mettre en service le laminoir à fers à béton de 500 000 t/an puis l'unité de production de billettes (avec four à arc électrique) de même capacité en janvier 2014. Parallèlement, elle procède à l'installation d'une autre usine – incluant four à arc, machine de coulée de billettes de 250 000 t/an et laminoir à fers à béton de même capacité – sur son site de Port Said au bord du Canal de Suez, où un laminoir à fers à béton plus petit est actuellement exploité sous le nom de *National Port Said Steel*. Une fois modernisé, le laminoir serait entré en service en décembre 2013. L'unité de production de billettes, quant à elle, démarrera en avril 2014.
- À Suez, l'égyptien *Suez Steel* a investi dans un deuxième atelier de fusion d'une capacité de 1.2 Mt/an de billettes et d'une unité de réduction directe d'une capacité de 1.95 Mt/an.

Kenya

- Le sidérurgiste kenyan *Devki Group* devait construire une aciérie avec haut-fourneau dans le district de Taita-Taveta. Le coût du projet s'élève à KES 36 milliards. Les travaux ont débuté en février 2011. La production devait démarrer en avril 2012, avec une capacité initiale de 250 000 t/an de billettes et de bobines laminées à chaud, la pleine capacité de 1 Mt/an ne devant être atteinte qu'à la mi-2014.

Libye

- *The Libyan Iron & Steel Company (Lisco)* a l'intention de porter sa capacité de production à 4 Mt/an d'ici à 2015. Le projet inclut une unité de production de barres d'armature, avec une capacité de production de 800 000 tonnes par an, et des investissements pour augmenter la capacité du laminoir à froid de 200 000 tonnes par an.

Nigeria

- L'entreprise ukrainienne *Reprom* a présenté un plan de développement dans lequel elle se propose de moderniser l'usine intégrée nigériane *Ajaokuta Steel Company (ASC)*, à l'arrêt depuis plusieurs années. Le gouvernement avait prévu que la capacité de production soit portée à 1.3 Mt/an puis, dans un second temps, à plu-

sieurs millions de tonnes par an. *ASC* fabriquera du fer préréduit (DRI) et des produits plats.

- *Delta Steel* a annoncé son intention de porter sa capacité à 2.4 Mt/an d'ici 2015.
- L'entreprise chinoise *Western Metal Products Company (WEMPCO)* possède une nouvelle aciérie au Nigeria. L'usine est implantée dans l'État d'Ogun. Sa production est de 800 000 t/an.

Afrique du Sud

- *Afripalm Resources* a l'intention de construire une aciérie de 21 milliards ZAR dans le cadre d'une coentreprise établie avec *Steel Authority of India (SAIL)*. L'usine aurait une capacité de production de 3 à 5 Mt/an. Les travaux de construction devaient durer environ six ans.
- *Agni Steels* construit une unité de production de billettes dans la zone de développement industriel de Coega. La seconde tranche, qui doit prendre cinq années, portera la capacité à 180 000 t/an.

Tunisie

- Le fabricant tunisien de produits longs *El Fouladh* envisage la construction d'une deuxième aciérie à l'avenir, qui comprendra un four à arc électrique de taille 60 ou 100 tonnes et une coulée continue de billettes.
- *Sacinor* projette de construire une nouvelle usine de billettes dans le nord de la Tunisie, à Bir Mcherga.

Zimbabwe

- Le sidérurgiste indien *Essar* et le gouvernement du Zimbabwe ont finalisé un projet prévoyant la remise en service de l'aciérie *Zisco* pour l'instant à l'arrêt, l'augmentation de la production et l'extraction de minerais de fer destinés à l'exportation. Dans ses plans à long terme, *Essar* envisage de porter la capacité de l'aciérie à 2.5 Mt/an et, pour cela, d'investir plus de 4 milliards USD. *NewZim Steel (NZS)*, contrôlée à 40 % par le gouvernement et à 60 % par *Essar*, se portera acquéreuse des actifs de *Zisco*. Pendant la première tranche du projet, 115 millions USD seront investis dans la rénovation de l'aciérie. Les travaux, qui devraient durer entre 12 et 18 mois, permettront de porter la capacité à 500 000 t/an. Pendant la seconde tranche, 275 millions USD seront investis sur trois ans pour amener la capacité à 1.2 Mt/an.

Moyen-Orient

Au Moyen-Orient, région très importatrice d'acier, les capacités de production ont progressé régulièrement ces dernières années, parallèlement à l'augmentation des recettes pétrolières et à la forte croissance économique. Beaucoup de projets d'investissement dans l'industrie sidérurgique sont motivés par la perspective de réduire les importations. Dans la plupart des cas, on prévoit la construction de mini-aciéries avec unités de réduction directe, qui permettraient de mettre à profit les abondantes ressources en gaz naturel de la région et d'axer la production sur les produits longs destinés au secteur de la construction. Les capacités de production d'acier devraient donc augmenter fortement dans les

pays du Moyen-Orient non membres de l'OCDE⁴ et ainsi passer de 35.2 millions de tonnes en 2011 à 59.9 millions de tonnes en 2014. Cette hausse devrait être avant tout le fait de l'Iran, mais des sanctions internationales pourraient ralentir le processus.

Bahreïn

- Le sidérurgiste bahreïni *United Steel Company (SULB)* s'est assuré des financements pour son aciérie en construction dans la région d'Al Hidd (nord-est du pays). C'est ce qu'a annoncé au printemps 2012 le producteur tokyoïte de profilés *Yamato Kogyo* qui détient 49 % de *SULB*, les 51 % restants étant contrôlés par la société holding koweïtienne *Foulath*. *SULB* construit actuellement une unité de réduction directe, une aciérie de 970 000 t/an et un train de laminage à profilés lourds de 600 000 t/an destiné à la fabrication de poutrelles en H de moyenne ou grande taille. Le calendrier prévoyait les mises en service de l'aciérie et de l'unité de réduction directe respectivement en septembre 2012 et en janvier 2013.

Iran

- Huit nouvelles usines sidérurgiques ont été en construction en Iran depuis 2005. Chacune de ces usines, qui comprennent un module de réduction directe de minerai de fer et une aciérie avec une ligne de production de billettes, auront une capacité de production de 800 000 tonnes d'acier par an. On peut citer notamment le projet de *Myaneh Steel* dans la province de l'Azerbaïdjan oriental.
- *Bafgh Steel* est l'une des huit aciéries publiques, de 1 Mt/an chacune, en construction en dehors de la capitale. Elle se situe à proximité de la ville de Bafgh dans la province de Yazd, une région riche en minerai de fer où l'on trouve notamment les mines de Chador Malu et de Iran Central Iron Ore.
- *Baft Steel* compte aussi parmi les huit projets sidérurgiques soutenus par les autorités iraniennes pour développer des régions souffrant d'un retard économique. Construite à près de 30 %, l'installation devrait produire 800 000 t/an de billettes.
- Le fabricant *Arfa Steel* prévoyait de porter son usine de produits semi-finis à une capacité de 800 000 t/an après avoir mis en service son four à arc électrique en février 2013. L'entreprise produit des billettes carrées de 200 mm, qu'il vend principalement à des entreprises privées iraniennes opérateurs de laminoirs. Son four à arc électrique de Arfa est alimenté par son unité de réduction directe de même capacité, qui est opérationnelle depuis environ deux ans.
- Il y a quelques années, l'entreprise publique iranienne de laminage *Azarbayjan Steel* construisait une aciérie de 800 000 t/an et compte porter sa capacité de laminage à 1 Mt/an.
- *Bisoton Steel Complex* prévoit la construction d'une aciérie de capacité 400 000 t/an.
- L'entreprise *Boyerahmad Steel* a l'intention de doubler sa capacité pour la porter à 240 000 t/an grâce à l'installation d'équipements supplémentaires. Elle étudie aussi la possibilité de construire un laminoir de 240 000 t/an et un module de réduction directe de 300 000 t/an.

⁴ La compilation établie pour le Moyen-Orient n'inclut pas Israël puisqu'il s'agit d'un pays membre de l'OCDE.

- L'usine de réduction directe de *Chaharmahal va Bakhtiari* permettra de produire 1 Mt/an de brames et comprend deux aciéries.
- Le Parlement iranien a lancé une enquête sur les retards des projets d'augmentation des capacités du sidérurgiste *Esfahan Steel Company (ESCO)*. La société prévoit d'installer un quatrième haut-fourneau et augmenter sa capacité de production d'acier brut de 3,2 millions de tonnes par an à 5 millions de tonnes par an. Environ 85% de l'investissement requis pour le projet d'extension sera financée par les entreprises chinoises. Il est indiqué que l'entreprise est incapable de terminer ses projets en raison d'un manque d'argent et de technologies.
- La société *Gambron Steel* prévoit de construire une aciérie. Elle a achevé des études de faisabilité relatives à la construction d'une installation équipée de trois hauts fourneaux d'une capacité de 2 Mt/an d'acier brut.
- *Ghaenat Steel* construit actuellement une aciérie composée d'un module de réduction directe et d'une aciérie avec coulée de billettes ayant une capacité de production de 800 000 t/an d'acier brut. La société prévoyait d'achever la construction de son module de réduction directe en mars 2013 et la nouvelle aciérie en mars 2014.
- Le producteur iranien de minerai de fer *Gol-e-Gohar* prévoit de construire une usine d'une capacité de 1.6 Mt/an d'acier brut destinée à la fabrication de billettes. Le projet comprendra un module de réduction directe de conception Midrex de 1.6 Mt/an et deux aciéries équipées chacune de fours à arc électrique de capacité 800 000 t/an.
- *Iran Alloy Steel Co (Iasco)* va porter sa capacité de 200 000 t/an à 360 000 t/an. Il a déjà signé un contrat d'ingénierie, d'approvisionnement et de construction avec un consortium de sociétés iraniennes comprenant *Mika Sazeh* et *Tamkar Industrial Group* pour les travaux d'agrandissement. Le projet comprend un troisième four à arc électrique de 40 tonnes, un four à poche de 40 tonnes, une station de dégazage et une machine de coulée continue à 4 lignes de billettes. L'entreprise envisage également de s'équiper d'une nouvelle unité de production de tubes sans soudure. Un consortium composé de *Danieli* et d'une autre société a signé le contrat de construction de cette installation, dont la capacité devrait être d'environ 525 000 t/an.
- *Iran National Steel Industrial Group (INSIG)* prévoit de construire une usine dont la capacité serait de 400 000 t/an d'acier.
- *Middle East Mines & Mineral Industries Development Holding Company (MIDHCO)* construit actuellement en Iran une unité de production de billettes appelée *Kerman Steel*, dont la capacité sera de 1.5 Mt/an. Le projet inclut une unité de réduction directe. Le chantier devrait durer quatre ans. *Kerman Steel* a également organisé une cérémonie officielle pour lancer les travaux de construction d'un atelier de fusion dont la capacité sera de 150 000 t/an.
- Le producteur iranien de fers à béton *Kermanshah Steel* va se doter d'une aciérie de 400 000 t/an équipée d'un haut-fourneau. À l'heure actuelle, il dispose d'une capacité de laminage de 150 000 t/an, alimentée par des billettes en provenance d'autres sidérurgistes iraniens ou des matériaux d'importation.
- La construction d'un module de réduction directe a démarré chez *Khorasan Steel*. La capacité de ce module est fixée à 800 000 t/an. Après son deuxième module,

l'entreprise compte installer un nouveau four à arc électrique et une machine de coulée continue, dont la capacité sera de 800 000 t/an. Elle a également décidé d'augmenter la capacité de son aciérie existante, afin de la porter de 650 000 t/an à 800 000 t/an.

- *Khouzestan Oxin Steel*, société affiliée de *Khouzestan Steel Co*, prévoit d'installer une unité de production de brames de 1 Mt/an et un four de réduction directe de 1.2 Mt/an.
- Le projet d'agrandissement de *Khouzestan Steel* prévoyait de porter la production de l'entreprise à 5 Mt/an avant que des sanctions économiques ne soient appliquées à l'Iran. L'entreprise prévoyait l'installation d'un méga-module de réduction directe de 1.6 Mt/an, l'augmentation de la capacité de trois modules de réduction directe plus anciens et la modernisation de six fours à arc électrique, ce qui devait faire passer la production de chacun de ces fours de 600 000 t/an à 875 000 t/an. Le projet mentionnait également la construction d'une unité de coulée d'une capacité de 1.2 Mt/an de brames.
- Dans le sud-ouest de l'Iran, une aciérie entièrement nouvelle, appelée *Khorramshahr Steel*, doit être créée dans le cadre d'un projet en deux tranches qui prévoit la construction d'une unité de réduction directe puis celle d'une aciérie avec laminoirs à fers à bétons et produits plats. À la fin du projet, la capacité devrait être de 2 Mt/an de produits finis. À la fin de la première tranche, l'usine produira 800 000 t/an de bobines laminées à chaud à partir du fer pré-réduit (DRI) fourni par l'unité de réduction directe.
- *Maybod Steel Company* a démarré la construction d'une aciérie, annonce la société holding métallurgique et minière iranienne *Imidro*. Sa capacité de production de fonte qui est actuellement de 300 000 t/an sera portée à 645 000 t/an. L'entreprise installera aussi une unité de production de billettes de 650 000 t/an.
- Le groupe *Mobarakeh Steel* prévoit d'atteindre une capacité totale de 11 Mt/an d'ici mars 2015 grâce à ses usines et celles de ses filiales *Hormozgan Steel* et *Saba Steel Complex*. En 2012, il ajoutera 1.2 Mt/an d'acier brut à sa production en modernisant ses fours à arc électrique. *Saba Steel Complex* installera un nouveau four à arc électrique afin de doubler sa production d'acier brut, actuellement de 700 000 t/an. Enfin, *Hormozgan Steel*, dont *Mobarakeh Steel* a fait l'acquisition au début de 2011, envisage elle aussi de doubler sa capacité pour la faire passer de 1.5 Mt/an à 3 Mt/an.
- *Natanz Steel* avait prévu de mettre en service sa deuxième aciérie au sein de son site de la province iranienne de Esfahan au cours du troisième trimestre 2012. La nouvelle aciérie aurait au moins quatre fois la taille de la première unité et une capacité de production de 800 000 tonnes de billettes par an.
- Il y a environ deux ans, *Neizar Qom Steel* a commencé la construction de la première phase de sa mini usine. La première phase du projet consistait en l'installation d'une aciérie de 1,2 million de tonnes par an qui devait être achevée en mars 2013.
- La mini-usine iranienne *Neyriz Steel* devait débiter l'exploitation de son nouveau site de réduction directe en juin 2013.

- Le nouveau producteur privé de billette *Pasargad Steel* a mis en service son four à arc électrique ayant la capacité de production de 1,5 million de tonnes de billettes, près de la ville de Shiraz au sud-ouest de l'Iran, en juin 2013.
- *Sadr steel*, un laminoir privé iranien, prévoit de mettre en place une aciérie avec une capacité de production de 320 000 tonnes par an de billettes, extensible à 400 000 tonnes par an.
- Une nouvelle unité iranienne de production de billettes, *Sahand Steel*, a été inaugurée : elle comprend pour l'instant un four à induction de 500 000 t/an où seront fondues des ferrailles et une machine de coulée de même capacité pour la découpe des billettes. Située à Ajabhsir, dans la province de l'Azerbaïdjan de l'Est, cette unité fait partie d'un projet plus grand qui comprend un module de réduction directe de 1.5 Mt/an et un atelier de fusion supplémentaire de 1.5 Mt/an.
- La construction de l'unité de réduction directe de l'entreprise sidérurgique iranienne *Sepid Dasht Steel* a bien avancé. La mise en service de l'usine de réduction directe était prévue pour mars 2013. L'entreprise planifiait également d'installer une aciérie et une coulée continue de brames.
- *Shahrood Steel* a signé un contrat de 30 millions USD avec Siemens VAI Metals Technologies pour la fourniture d'un four à arc électrique de 50 tonnes, d'un four à poche de 50 tonnes, d'une machine de coulée continue à 3 lignes et d'autres équipements sidérurgiques. La mise en service devait avoir lieu en 2012.
- *South Kaveh Steel* avait prévu de mettre en service fin 2013 un four à arc électrique d'une capacité de 2,4 millions de tonnes s'appuyant sur un four à arc électrique produisant des billettes. L'entreprise installera un four à arc électrique de 140 tonnes avec une machine de coulée continue à six lignes.
- *Yazd Saman Steel and Asia Iron Melting* a investi dans deux nouvelles aciéries. Les deux aciéries utilisent la technologie du four à induction. L'aciérie de Yazd Saman Steel sera équipée de deux fours à induction de capacité 12 tonnes.
- *Zagros Steel*, située dans la province du Kurdistan (ouest de l'Iran), prévoit de produire 2 Mt/an d'acier grâce à l'investissement de l'entreprise chinoise Tihan Company qui doit lui fournir des systèmes et technologies modernes dans le cadre d'une offre destinée à préparer l'augmentation de la production.

Irak

- L'usine de *Al Maseera International Co* est en construction en Irak, et destinée à produire 450 000 t/an de billettes et 350 000 t/an de fers à béton.
- La mise en service de la nouvelle unité irakienne de production de fers à béton, *Al-Tanmiya*, a été retardée car le réseau national n'achemine pas assez d'électricité pour permettre une production en continu. Située à Bassora, dans le sud du pays, cette aciérie aura une capacité de 300 000 t/an de fers à béton et de 450 000 t/an de billettes.
- Le négociant turc *Dayen* construit un laminoir à fers à béton de 250 000 t/an en partenariat avec *ArcelorMittal*, ainsi qu'un four à induction, une machine de coulée de billettes et une centrale captive destinée à garantir un approvisionnement en électricité suffisant. La production de billettes devrait commencer 12 à 14 mois

après le début de la construction. Le laminoir entrera en service quelques mois plus tard.

- *Isa Unal*, propriétaire du conglomérat turc *Moher Limited*, prévoit de construire une unité de production de fers à béton de 250 000 t/an dans une ville industrielle nouvelle implantée à proximité de Bassora (sud du pays). Le projet a récemment reçu une autorisation de la part de la Commission d'investissement de Bassora. La nouvelle installation – exploitée par *Basra Iron & Steel Company (BISCO)* – sera équipée de deux fours à induction et d'une machine de coulée continue de billettes à section carrée.
- Le Bureau d'investissement de Bassora, au sud de l'Irak, a donné son accord de principe sur la construction d'une aciérie de 150 millions USD dont la production devrait s'élever à 250 000 t/an de fers à béton. *Erbil Steel* et une entreprise turque ont fait une proposition commune. Dénommée *Basra Steel*, la nouvelle installation serait, comme *Erbil Steel*, équipée d'un four à induction et aurait une capacité de 150 000 t/an qui pourrait ultérieurement être portée à 250 000 t/an. Cependant, l'autorisation aurait été accordée à *Isa Unal* qui prévoit aussi de construire une unité de production de fers à béton de 250 000 t/an, auquel cas il semblerait peu probable qu'*Erbil Steel* construise une deuxième installation de ce genre en Irak.
- En 2012, le producteur irakien de fers à béton *G.K. Steel* a achevé l'installation d'un nouveau four à induction grâce auquel sa capacité totale de fabrication de produits finis pourra atteindre 80 000 t/an. Ces produits sont destinés au secteur national de la construction, en forte croissance du fait des activités de reconstruction de l'après-guerre.
- L'équipementier italien *Danieli* a confirmé fournir un atelier de fusion et un laminoir à fers à béton au jordanien *Mass Global Investment* qui a programmé la construction d'une aciérie au Kurdistan (nord de l'Irak). D'une capacité de 1 Mt/an, l'installation devait entrer en service en 2012. Elle comprend un four à arc électrique de 120 tonnes, un four à poche et une machine de coulée continue à cinq lignes de billettes.
- Le groupe industriel turc *United Brothers Holding (UB)* a finalisé ses négociations avec les autorités irakiennes concernant la modernisation de l'installation irakienne *State Company for Iron & Steel (SCIS)*, à l'arrêt depuis avril 2003. Les travaux devraient être intégralement terminés en 2015, à la suite de quoi l'installation aura une capacité de 1 Mt/an de produits longs.
- L'équipementier coréen *STX Heavy Industries* a signé un mémorandum d'accord avec le gouvernement irakien pour la construction d'une aciérie intégrée de 3 Mt/an dans la province de Bassora (sud du pays). Cette aciérie produira 1.2 Mt/an de bobines laminées à chaud et autant de fers à béton ainsi que 600 000 t/an de profilés. Quand ce projet de 3 milliards USD sera achevé, l'aciérie sera exploitée par l'entreprise *State Company for Iron & Steel*.

Jordanie

- Le producteur de billettes et de barres *Jordan Steel* prévoyait de démarrer les travaux de modernisation de son aciérie à four à arc électrique et coulée de billettes en avril 2012, dans le but d'amener sa capacité de production de billettes à 360 000 t/an.

- La société de conseil en management *Reach Group* s'est lancée dans la sidérurgie avec un projet de mise en service d'une unité de production de 45 000 tonnes par an de billettes. Elle devait ultérieurement s'équiper d'un laminoir à fers à béton et de laminés marchands.
- *Taybah Steel* a mis en service une usine de produits longs (avec four à arc électrique) dans la zone industrielle récemment inaugurée d'Al-Muwaqar, au sud-est d'Amman. Fruit d'une coentreprise saoudi-jordano-britannique, cette installation produira 150 000 t/an de billettes. Un laminoir à fers à béton de 150 000 t/an devrait être ajouté par la suite.

Koweït

- L'entreprise indienne *Kanoos Group* avait investi dans un projet d'usine sidérurgique au Koweït tout en développant une installation similaire dans la région du Kurdistan irakien. Le projet consiste en une usine de 100 000 tonnes de capacité par an.

Oman

- L'entreprise *Shadeed Iron and Steel* a démarré la deuxième phase des travaux d'agrandissement de son complexe de réduction directe, qui comprennent la construction d'un four à arc électrique, d'un four à poche et d'une machine de coulée continue de billettes et de blooms. Le nouvel atelier devait entrer en service à l'été 2013. Sa capacité, initialement de 2 Mt/an, sera portée à 4 à 5 Mt/an d'ici 2016. *Shadeed Iron and Steel* étudie également la possibilité d'ajouter des laminoirs à fers à béton, profilés et tubes.
- *Sharq Sohar Steel Rolling Mills* s'équipe actuellement d'un four à arc électrique de 80 tonnes qui lui permettra de faire passer sa capacité de fusion de 250 000 t/an à environ 700 000 t/an à la fin du premier semestre de 2013.

Qatar

- Le projet *Watania Steel*, sous le nom de *Arkan Steel*, devait mettre en service une nouvelle usine de production de fil recuit noir, ainsi que de clous, dans la capitale saoudienne de Riyad à la mi-2012. Un four à arc électrique de 750 000 tonnes de capacité et une unité de production de billettes pour alimenter le laminoir seront construits à une date ultérieure.
- *Qatar Steel* prévoit de mettre en service sa nouvelle usine de 1.1 Mt/an d'ici décembre 2012. Composée d'un four à arc électrique, d'un four à poche et d'une machine de coulée continue de billettes, cette usine est destinée à remplacer l'atelier existant équipé de deux fours à arc plus petits. Elle permettra à *Qatar Steel* de porter sa capacité de production de billettes à 2.8 Mt/an.

Arabie saoudite

- La mise en service de sa nouvelle unité de production de fers à béton d'*Al Atoun Steel Industries* dans la ville industrielle de Yanbu 2 (au nord de Jeddah au bord de la Mer rouge) a été reportée au quatrième trimestre 2013, le temps que l'électricité dont elle a besoin lui soit allouée. Une fois en service, l'installation

équipée d'un four à arc électrique pourra produire 900 000 t/an de billettes et 500 000 t/an de fers à béton, de ronds, de carrés et de cornières.

- Le sidérurgiste saoudien *Rajhi Steel* a prévu de mettre en service des installations de réduction directe et de production de billettes pour alimenter son nouveau laminoir à fers à béton. Chacune aura une capacité de 1 Mt/an.
- *Rajhi Heavy Industries*, qui fait partie de *Mohamed Al-Rajhi & Sons Holding Company*, le propriétaire de *Rajhi Steel*, envisage de s'équiper, d'ici mars 2016, de deux unités de réduction directe – l'une d'une capacité de 1.8 Mt/an de minerais de fer pré-réduits (DRI) et l'autre d'une capacité de 650 000 t/an de minerais de fer briquetés à chaud (HBI) – ainsi que d'un atelier de fusion de 2 Mt/an.
- *Al-Tuwairqi Holding Company*, une entreprise privée implantée en Arabie Saoudite, mettra en service un nouveau complexe sidérurgique de 2 Mt/an qui lui permettra de porter sa capacité de production de billettes à 3 Mt/an. Dénommé *Arab Iron and Steel Company*, ce complexe sera équipé d'un four de réduction directe, d'un atelier de fusion et d'une machine de coulée de billettes. En 2011, *Al-Tuwairqi Holding Company* a signé avec un syndicat de 18 banques locales et internationales un accord de restructuration de dette de 7.5 milliards SAR qui lui permettra d'achever le projet *Arab Iron & Steel Company*.
- L'entreprise *Al-Yamamah Company*, qui produit actuellement 600 000 t/an de fers à béton, a interrompu son projet de sa nouvelle aciérie le temps de négocier avec les autorités locales un contrat de fourniture d'électricité pour son usine. Elle a l'intention d'installer un four à arc électrique et une machine de coulée de billettes de 1.2 Mt/an et de doubler sa capacité de production de fers à béton pour l'amener au même niveau que celle des billettes. Ce projet d'agrandissement avait été annoncé en 2008, lorsqu'*Al-Yamamah Company* avait commandé un four à arc à *Danieli*. Cependant, à cause du manque de centrales électriques dans la région, l'entreprise n'a pas pu s'assurer un approvisionnement régulier en électricité.
- La nouvelle unité de production de billettes de *National Sulb Company* doit approvisionner en billettes les marchés du Conseil de coopération du Golfe pour y limiter les importations. Elle est construite à Rabigh, au bord de la Mer rouge, et aura une capacité de 300 000 t/an de billettes. Le montant total de l'investissement serait de 67 millions USD.
- La société italienne d'assurance-crédit SACE a garanti un prêt de 435 millions USD accordé par HSBC à *Saudi Basic Industries Corporation (SABIC)* qui agrandit sa filiale sidérurgique, *Hadeed*, dans la zone industrielle de Jubail. L'équipementier italien *Danieli* a fourni l'installation dont la production sera de 1 Mt/an de billettes et 500 000 t/an de produits laminés.
- *South Steel* a mis en service une nouvelle usine de produits longs en mars 2012. La première tranche du projet comprendra la construction d'une aciérie à four à arc électrique d'une capacité de 1 Mt/an de billettes et d'un laminoir à fers à béton d'une capacité de 500 000 t/an.
- L'entreprise qatarie *Al Watania Steel* construirait en Arabie saoudite une aciérie produisant des rails. Dénommée *Arkan Steel*, l'installation comprendra un atelier de fusion à four à arc électrique de 1 Mt/an, une machine de coulée de blooms et un laminoir à rails de 750 000 t/an. Cet ensemble devrait être le plus gros producteur de rails de la région du Conseil de coopération du Golfe. Les terrains

d'implantation de la future installation ont été acquis. L'entrée en service avait été prévue pour la mi-2013.

Syrie

- Du fait des troubles politiques survenus dans le pays, l'aciériste d'État *Hadeed Hama* a reporté le projet d'extension de sa capacité de production de billettes. Il avait prévu initialement de moderniser ses deux fours à arc électrique pour les faire passer de 25 tonnes à 30 tonnes, d'ajouter un four à poche et d'implanter deux nouvelles machines de coulée continue de billettes. Ces travaux lui permettraient de porter sa capacité de production d'acier liquide à 300 000 t/an. Sa capacité de production de billettes s'élèverait alors à 288 000 t/an.
- Le producteur syrien de fers à béton *Hmisho Steel* prévoyait la mise en service d'un nouvel atelier de fusion de 800 000 t/an en août 2012. Cet atelier comprend deux hauts-fourneaux, un four à optimisation énergétique et une machine de coulée continue de billettes. Les billettes sont destinées à alimenter le laminoir à fers à béton de 500 000 t/an que *Hmisho Steel* possède à Latakia, les surplus devant être vendus sur le marché. L'entreprise envisage également d'élargir sa gamme de produits pour y inclure les aciers alliés.
- Avant le début de la crise syrienne, le producteur de fers à béton syrien *Joudco* aurait commencé la production dans sa nouvelle usine de billettes d'une capacité annuelle de 750 000 tonnes dans la ville industrielle de Adra, près de Damas.
- À la fin de 2011, *Mediterranean Steel (MedSteel)* a achevé les travaux qui devaient permettre à son unité de la ville industrielle d'Adra d'atteindre une capacité de 750 000 t/an de billettes. Cependant, des pénuries d'électricité contraignaient l'entreprise à exploiter son installation à une capacité inférieure.
- Il y a quelques années, le syrien *Hamsho Group* cherchait à construire une aciérie qui, sous le nom de *Syria Metal Industries*, produirait 800 000 t/an de billettes pour un nouveau laminoir à Damas. Après le démarrage cette aciérie, l'entreprise souhaitait mettre en service son nouveau laminoir à fers à béton de 450 000 t/an.

Émirats arabes unis

- L'entreprise *Emirates Steel Industries (ESI)* a un projet d'agrandissement, qui comprend la construction d'une aciérie, d'une unité de production de bobines laminées à chaud et d'installations auxiliaires à Musaffah, près d'Abu Dhabi. Grâce à ces nouveaux équipements, l'entreprise devrait se doter d'une capacité supplémentaire d'environ 1.6 Mt/an.
- *Hamriyah Steel*, une co-entreprise opérant un site d'une capacité de 1 million de tonnes de fers à béton entre le Russe *Metalloinvest* et *Cheikh Khalifa bin Zayed bin Sultan Al Nahyan*, devrait commencer la construction d'une usine de réduction directe pour fournir une coulée de billettes basée sur un four à arc électrique dans un proche avenir.

Yémen

- Les troubles sociaux qu'a connus le Yémen ont contraint *Mukalla Iron & Steel* à reporter la mise en service de son unité de production de billettes. Située dans la ville d'Hadhramaut (nord-est du pays), cette installation de 150 000 t/an sera

équipée de deux fours à induction de 18 tonnes alimentés en ferrailles, d'un four à poche et d'une machine de coulée continue de billettes. L'entreprise prévoit de lui adjoindre ultérieurement un laminoir à fers à béton de 500 000 t/an qui sera fourni par *Siemens Metals Technologies*.

Asie

Dans les économies asiatiques non membres de l'OCDE, les capacités de production d'acier devraient progresser de 188.5 millions de tonnes sur la période 2012-2014, et ainsi passer de 1 030.5 Mt en 2011 à 1 219.0 Mt en 2014. À elle seule, la Chine sera responsable de 73.2 % de cette hausse : sa capacité de production devrait s'accroître de 138.1 Mt sur la même période. Néanmoins, le taux de croissance de la capacité chinoise est en ralentissement. Dans le même temps, l'Inde comptera pour 18.5 % de la hausse asiatique ; le taux de croissance de sa capacité devrait augmenter, même si certains projets ont pris du retard en raison de problèmes d'acquisitions foncières. Plusieurs économies émergentes, telles que le Viet Nam, l'Indonésie et d'autres économies d'Asie du Sud-Est, ont élaboré des programmes ambitieux pour se doter de capacités supplémentaires afin de réduire leur forte dépendance aux importations.

En Chine, d'après les informations communiquées par le ministère de l'Industrie et des Technologies de l'information, 122.72 millions de tonnes de capacités de production de fer et 72.24 millions de tonnes de capacités de production d'acier ont été supprimées pendant le 11^e plan quinquennal (2006-2010). Malgré cela, la capacité chinoise de production d'acier est passée de 472.5 Mt en 2006 à 863.3 Mt en 2011, soit une augmentation de 82.7%. En novembre 2011, le ministère de l'Industrie et des Technologies de l'information a publié le 12^e plan quinquennal (2011-2015) applicable à l'industrie sidérurgique du pays, qui prévoit que les hauts-fourneaux de moins de 400 mètres cubes et les convertisseurs ou fours à arc électrique de moins de 30 tonnes seront arrêtés avant la fin de 2015. Le ministère a également fixé un objectif de concentration des sites industriels, conformément auquel les 10 plus gros sidérurgistes du pays devraient totaliser 60 % de la production chinoise d'acier d'ici 2015.

Récemment, des lignes directrices ont été décidées par le Conseil d'État chinois en Octobre 2013 afin de remédier aux surcapacités et favoriser les restructurations dans plusieurs secteurs industriels, dont la sidérurgie. Selon ces lignes directrices, les ajouts de capacité dans les secteurs en surcapacité importante ne seront pas approuvés et les projets devront être conformes à la réglementation de l'industrie. Plus récemment encore, le ministère chinois de l'Industrie et des Technologies de l'information (MIIT) a demandé aux autorités locales de fournir des informations sur leurs objectifs pour réduire les surcapacités dans plusieurs industries, y compris la sidérurgie. Le MIIT a mis la priorité sur la province du Hebei, où il est prévu de réduire la capacité de production d'acier brut de 15 millions de tonnes en 2014 dans le cadre d'un objectif global de 60 millions de tonnes de réduction de capacité en 2017.

Bangladesh

- L'indien *Essar Steel Holdings* a le projet d'installer une aciérie de 2 Mt/an qui utilisera du gaz naturel comme principale source de combustible. D'un coût estimé à 2 milliards USD, cette aciérie produira à la fois des produits longs et des produits plats. *Essar Group* détiendra une participation de 60 % dans l'entreprise, les 40 % restants se répartissant entre *S Alam Group*, *PHP*, *KDS* et *Abul Khair*.

Chine

- Le groupe *Anshan Iron & Steel Group (Angang Group)*, basé dans la province du Liaoning, a annoncé en juin 2010 son projet de porter sa capacité de production d'acier brut à 60 Mt/an en 2015, ce qui lui permettrait de devenir l'un des 5 plus gros aciéristes mondiaux. Le ministère chinois de l'Industrie et des Technologies de l'information a approuvé la fusion d'*Angang Group* et de *Fujian Sangang Group*, un groupe implanté dans la province du Fujian (littoral sud-est de la Chine) et opérant sous le contrôle indirect de la Commission du Fujian chargée de l'administration et de la supervision des actifs appartenant à l'État, par l'intermédiaire de la filiale *Fujian Metallurgical Holding Company* de la Commission. *Angang Group* avait prévu de construire une installation entièrement nouvelle de 10 Mt/an à Ningde dans la province du Fujian. Cependant, des préoccupations concernant les risques de surcapacité l'ont conduit à suspendre son projet d'agrandissement en 2012.
- Fin 2012, *Baogang Wanteng Iron & Steel* a mis en service une usine intégrée de capacité de production d'aciers longs de 1 Mt/an. L'entreprise visait un doublement de cette capacité à 2 millions de tonnes avec une mise en service au plus tôt en 2013.
- *Baosteel* prévoit d'investir 12 milliards de RMB dans son projet d'aciérie Zhanjiang avec une première tranche de 6 milliards de RMB au dernier trimestre 2013 et le solde en 2014. Le 23 juillet 2013, le projet d'aciérie de *Baosteel* Zhanjiang a officiellement commencé. Il comprendra deux hauts-fourneaux de 5 050 mètres cubes avec une capacité annuelle de 8,2 millions de tonnes par an, trois convertisseurs (8,9 millions de tonnes par an), trois coulées continues de brames (8,7 millions de tonnes par an), un laminoir à chaud (5,5 millions de tonnes par an) et une usine de laminage à froid (2,2 millions de tonnes par an). La société a lancé la construction de son usine de laminage à chaud et de deux lignes de coulées de brames en août 2013 et du laminoir à froid en septembre 2013. En octobre 2013, la société a commencé les travaux pour la construction du premier haut-fourneau. La construction des trois convertisseurs de 350 tonnes et deux coulées de brames de 2150 mm de large devrait suivre pour s'assurer que le premier convertisseur et les coulées de brames sont mis en service simultanément avec la phase à chaud d'ici fin 2015. La construction de toutes les installations clés du projet de Zhanjiang a démarré. Le site de Zhanjiang est prévu pour être achevé d'ici septembre 2016. Les nouvelles aciéries cibleront principalement l'automobile et les fabricants d'électroménager dans le sud de la Chine, en particulier dans le Delta de la Rivière des Perles.
- Le *Groupe Baotou Iron & Steel (Baotou Steel)* souhaitait mettre en service une aciérie intégrée capable de produire 5 millions de tonnes de brames par an fin 2013. L'aciérie comprendrait un laminoir à chaud de 2 250 mm avec les installations aval. Si les nouvelles capacités peuvent bien être mises en service, la capacité d'acier brut de *Baotou Steel* pourrait atteindre environ 17 à 18.000.000 tonnes par an.
- L'entreprise *Bengang Stainless Steel*, filiale de *Benxi Steel*, un important producteur chinois d'acier au carbone implanté dans la province du Liaoning, s'est fixé comme objectif de construire une unité de production d'acier inoxydable d'une capacité qui atteindrait 800 000 t/an pendant la période 2011-2015.

- Le 22 septembre 2013, l'entreprise chinoise *Chongqing Iron & Steel (Chonggang)* a signé avec *Posco* un accord prévoyant l'installation d'une unité de production intégrée *Finex* sur son site de Changshou. Ce sera la première unité *Finex* de *POSCO* en Chine et lui permettra de produire 3 Mt/an de plus d'acier brut.
- *Fujian Fuxin Special Steel*, co-entreprise de *Formosa Plastics Group*, basé dans le Taipei chinois, et de *Fujian Sangang Group*, prévoit de construire une unité de production d'acier inoxydable dans le sud-est de la province du Fujian. D'une capacité nominale de 720 000 t/an, cette unité devait être mise en service en 2013.
- La Commission nationale chinoise pour le développement et la réforme a autorisé l'entreprise *Ganxin Iron & Steel*, fondée en 2010 par l'entreprise d'État du Jiangxi *Xinyu Iron & Steel (Xingang)* et un groupe d'investisseurs du Xinjiang, à démarrer les travaux préalables à la construction d'une usine intégrée de 3 Mt/an dans la ville d'Atush (région autonome ouïgoure du Xinjiang). La première tranche du projet, destinée à mettre en service environ 1 Mt/an, comprend un haut-fourneau de 1 250 m³, un convertisseur à oxygène de 65 tonnes, une machine de coulée à six lignes de billettes et un train à barres de 960 000 t/an. La date de lancement des travaux devait être fixée une fois l'autorisation du gouvernement central accordée. La première phase de construction durera sans doute environ 18 mois.
- L'entreprise *Yanshan Iron & Steel*, située dans la province du Hebei (nord de la Chine), a commencé à développer ses activités en amont en vue d'accroître sa capacité de production d'environ 2 Mt/an. Les principaux équipements installés seront deux hauts-fourneaux de 1 080 m³, un convertisseur de 150 tonnes et une machine de coulée continue à 8 lignes destinée à la découpe de blooms et de billettes rondes. Le premier sidérurgiste chinois *Hebei Iron & Steel Group* a formé un partenariat avec *Yanshan Iron & Steel* à la fin de l'année 2010.
- *Hebei Jingye Group*, un sidérurgiste privé de la province du Hebei au nord de la Chine, a mis en service deux hauts-fourneaux de 1 260 mètres cubes et deux hauts-fourneaux de 1 080 mètres cubes en 2012 pour remplacer deux hauts-fourneaux de 450 mètres cubes qui ont cessé leur production au troisième trimestre de la même année. Le sidérurgiste a maintenant une capacité de production d'acier brut d'environ 11 millions de tonnes par an et prévoit d'augmenter sa production d'acier brut en 2013 de 43% à 10 millions de tonnes par an.
- *Lianyungang Yaxin Steel*, une filiale de l'entreprise privée chinoise *Henan Steel Group Yaxin* prévoit de démarrer sa production en novembre 2013. L'entreprise a installé trois usines de fil machine d'une capacité combinée de plus de 2 millions de tonnes par an. Le 22 octobre 2013, le sidérurgiste a commencé les opérations de test sur un convertisseur à oxygène de 150 tonnes. Un second convertisseur de la même taille sera devant entrer en service en décembre 2013.
- Le projet de transfert de l'entreprise de Mongolie intérieure *Huaye Special Steel Company*, dû à un projet d'aménagement urbain, a reçu l'autorisation nécessaire (début du transfert des activités en 2011). Il est prévu que la capacité de production d'acier de la nouvelle usine atteigne 1 Mt/an trois ans plus tard.
- *Inner Mongolia Menghang Casting* a commencé des tests de production de son aciérie avec four à arc électrique d'une capacité de 500 000 tonnes par an mi-octobre 2013. Le projet, situé dans la zone industrielle Wulateqianqi, produira de

l'acier pour la construction à partir de ferrailles. L'utilisation de ferrailles permettait d'assurer que le projet coûtant 680 millions de RMB obtiendrait l'approbation du gouvernement.

- *Jiangsu Heavy Industry Corporation* a mis en service un four à arc électrique de 250 tonnes à son usine de la province du Jiangsu, près de Shanghai, en 2012. Il est équipé du plus grand transformateur pour four à arc électrique jamais fabriqué en Chine. La capacité de production à l'unité est de 1,8 million de tonnes par an et la sortie de l'unité de laminage produit les brames les plus épais en Chine.
- *Jiangsu Shagang Group* a commencé la construction de deux nouvelles usines de fil machine, les n° 9 et 10, à son installation principale à Zhangjiagang. Cette expansion est la première phase d'un projet qui pourrait conduire à augmenter la capacité de production de 3 millions de tonnes par an de fil machine et d'acier brut. La mise en service des nouvelles lignes est prévue fin 2014, et l'entreprise planifie d'ajouter deux laminoirs à barres supplémentaires. Les deux premiers nouveaux laminoirs à barres seront alimentés par un convertisseur de 120 tonnes en cours de construction. L'un des deux convertisseurs a été commandé à *MCC Tiangong Group Corporation*. Les deux convertisseurs auraient une capacité de production d'acier brut combinée d'environ 3 millions de tonnes par an.
- *Jiangsu Yonggang Group*, une filiale de Groupe *Shagang* à Zhangjiagang ville de la province de Jiangsu à l'est de la Chine, est sur le point de mettre en service une usine sidérurgique intégrée de 2,1 milliards de RMB en mesure de produire 1 million de tonnes par an d'acier semi-fini. La société a organisé une cérémonie d'inauguration le 28 mai 2013, après avoir testé avec succès un four à arc électrique de 110 mt et une coulée continue de billettes rondes le 16 mai 2013. Ces installations sont capables de produire 1 million de tonnes par an d'acier brut.
- *Jiuquan Iron & Steel Group* (Jiugang) a démarré un nouveau haut-fourneau dans le site de Yuzhong de sa filiale *Yuzhong Iron & Steel (Yugang)*. Le haut-fourneau de 2800 mètres cubes a été allumé le 28 septembre 2012 et constitue l'élément clé de son projet d'usine intégrée produisant des aciers longs que *Jiugang* développait depuis janvier 2011. Grâce à cette aciérie, *Jiuquan Iron & Steel* pourra produire 2.25 Mt/an de fonte et 1.25 Mt/an d'acier brut. Le projet inclut également une unité de production de fers à béton et une unité à haute vitesse de fil-machine chacune ayant 800 000 tonnes de capacité annuelle.
- Deux nouveaux convertisseurs 120 mt ont été mis en service le 9 Juillet 2012 par le sidérurgiste chinois *Kunming Iron and Steel*, dans de nouvelles installations dans la ville de Anning dans la province chinoise du Yunnan. La capacité annuelle de production d'acier brut de *Kunming Steel* augmentera de 2 millions de tonnes par an avec ces deux nouveaux convertisseurs.
- *Lingyuan Iron & Steel (Linggang)* a, le 19 octobre 2012, mis en service sa nouvelle aciérie de 2,5 millions de tonnes de capacité par an, portant ainsi la capacité de production d'acier brut de l'entreprise à 6 millions de tonnes par an. L'entreprise a lancé ce projet de 7,5 milliards RMB en mai 2011. Le projet comprend un four 2300 mètres cubes, deux convertisseurs de 120 tonnes, et deux lignes de production de fil machine et de fers à bétons.
- *Anhui Changjiang Iron & Steel*, le constructeur d'acier pour la construction détenu par *Maanshan Iron & Steel* a mis en service son second convertisseur à oxy-

gène de 120 tonnes au sein de son site de la province du Anhui à l'est de la Chine le 27 janvier 2013. La nouvelle usine est capable de produire environ 1,2 million de tonne d'acier brut. Le nouveau convertisseur fait partie de la seconde phase du projet de site intégré initié en 2011 de Changjiang qui aura une capacité de production de 3 millions de tonnes par an avec la construction de deux usines de laminage de 1,1 million de tonnes de capacité.

- *Magang Group Holding* réalise actuellement le transfert et la modernisation de *Maanshan Iron & Steel* et *Magang (Hefei) Iron & Steel*. La première sera dotée d'un nouveau haut-fourneau de 5000 m³, d'un convertisseur à oxygène de 300 tonnes et d'un train à bandes à chaud d'une largeur de 1580 mm.
- *Minmetals Yingkou Medium Plate*, producteur intégré de tôles implanté dans la province du Liaoning (nord-est de la Chine), fera passer sa capacité de production d'acier brut de 3 Mt/an à 5 Mt/an grâce à la mise en service de deux hauts-fourneaux et d'un convertisseur à oxygène. La société a mis en service son haut-fourneau de 2400 mètres cubes en mars 2013 et il était prévu qu'il démarre un autre haut fourneau de même taille en août 2013.
- *Nanjing Iron & Steel Unies (Nangang)*, un producteur de tôles dans la province de Jiangsu à l'est de la Chine, réalise pour 7 milliards de RMB une mise à niveau technique en février 2014, augmentant ainsi sa capacité d'acier brut à 10 millions de tonnes par an.
- *Panzhihua Iron & Steel (Pangang)* construit actuellement une aciérie intégrée d'une capacité de 3,5 millions de tonnes par an sur un nouveau site dans la province de Sichuan. Elle aura 4 millions de tonnes par an de capacité de production de fonte, 3,6 millions de tonnes par an de capacité de production d'acier brut et 3,7 millions de tonnes par an de bobines laminées à chaud. La construction de l'aciérie a été lancée en 2007 pour utiliser les réserves de minerai de fer de la province du Sichuan, au sud-ouest de la Chine. Les trois hauts-fourneaux de 1780 mètres cubes de l'aciérie ont été mis en service en mai 2011.
- Le groupe *Shaanxi Hanzhong Hanjiang Iron & Steel* implanté dans le nord-ouest de la Chine a été officiellement constitué le 28 juin 2009 par la fusion de *Hanzhong Iron & Steel*, *Lueyang Iron & Steel* et *Hanzhong Jialing Mining*. Le même jour, le nouveau groupe a organisé une cérémonie pour lancer son projet d'expansion de 5 Mt/an. La ville de Hanzhong prévoit de commencer par regrouper ses aciéries locales et d'autres actifs affiliés avant de créer un groupe sidérurgique plus vaste en les fusionnant avec *Longmen Iron & Steel Group*. Les autorités locales de Shaanxi veulent aussi construire des installations dans la province et remplacer les unités anciennes de *Hanzhong Iron & Steel* et *Lueyang Iron & Steel*. Selon un représentant de l'administration locale, l'ensemble du projet devrait s'achever en 2015.
- *Shaanxi Longmen Iron & Steel* cherche à accroître sa capacité de production d'acier brut pour la faire passer de 7 Mt/an à 10 Mt/an avant la fin du douzième plan quinquennal (2011-2015), afin de répondre à la demande de la région nord-ouest de la Chine.
- *Shandong Chuanyang Group*, situé en Chine orientale, a testé à chaud un convertisseur de 120 tonnes au 1er semestre 2013. La société prévoit également l'installation d'un second convertisseur.

- *Shandong Iron & Steel* a démarré la construction de son site de Rizhao en juin 2013. L'entreprise avait obtenu les autorisations de la Commission Nationale Chinoise de Réforme et de Développement en avril 2013. L'investissement se monte à 56,748 milliards de RMB. Quand elle sera terminée, l'usine sera capable de produire 8.1 millions de tonnes de fonte par an, 8.5 millions de tonnes d'acier bruts et 7.9 millions de tonnes de produits finis. La nouvelle usine sera équipée de deux hauts-fourneaux de 5 100 m³ et de deux convertisseurs à oxygène de 200 tonnes et de deux 250 tonnes et des lignes de laminage à chaud et à froid. Les installations portuaires doivent être construites dans le cadre du projet comprennent des postes d'amarrage, un de 300 000 tonnes, trois de 40 000 tonnes et quatre de 10 000 tonnes. Le groupe a également réalisé un test de fonctionnement à chaud sur sa ligne de production de fers à béton de son projet Kashi basé au Xinjiang. Le projet Kashi, dans laquelle l'investissement total devrait atteindre 7,3 milliards de RMB, comprend la construction d'un four de 1000 mètres cubes, un convertisseur de 100 tonnes et des laminoirs. Achevé, le projet devrait avoir une capacité de 3 millions de tonnes par an, contre une capacité initiale d'environ 1 million de tonnes.
- Le producteur chinois de tubes sans soudure *Shandong Molong Petroleum Machinery (Molong)* a inauguré un nouveau four à arc électrique de 90 tonnes en décembre 2013. Le nouveau four à arc électrique a coûté 134 millions de RMB, est situé sur le site de *Shouguang Baolong Material Petroleum*, filiale de Molong. La capacité est d'environ 500 000 tonnes par an.
- Le haut-fourneau n°5 de *Shanghai Meishan Iron & Steel (Meigang)*, une filiale de *Baosteel* basée à Nanjing, à l'ouest de Shanghai, a été mis en service le 5 juin 2012. Le haut-fourneau a une capacité effective de 4 070 mètres cubes, pouvant ainsi générer 3.27 millions de tonnes d'acier par an. Ce projet porte la capacité totale de production d'acier brut de l'entreprise à environ 7 Mt/an.
- Des tests de charge à chaud ont été menées et réussies sur les installations de *Shanxi Zhongyang Iron & Steel*. Les tests de charge à chaud impliquaient deux convertisseurs, une coulée continue et d'autres systèmes connexes. Les installations de production d'acier ont une capacité de 1,5 million de tonnes par an.
- Le groupe *Shougang*, dont le siège se trouve à Pékin, se prépare à porter sa capacité de production d'acier brut à 40 Mt/an ou plus avant la fin du 12^e plan quinquennal chinois (2011-2015). *Shougang Changzhi Iron & Steel (Changgang)*, l'une des filiales de *Shougang* basée dans la province du Shanxi (nord du pays), a été autorisée par les autorités de cette province à démarrer un projet d'expansion destiné à remplacer certains de ses équipements obsolètes. Sont notamment prévus deux hauts-fourneaux de 3200 m³ et deux convertisseurs à oxygène de 210 tonnes. Au total, la filiale pourrait produire environ 5 Mt/an de fer et d'acier en plus quand le projet sera terminé. Elle s'est fixée comme objectif une capacité de production d'acier brut de 10 Mt/an environ d'ici la fin de 2015. Les nouveaux laminoirs serviront principalement à la fabrication de produits longs. L'usine du district de Shijingshan à Pékin ayant fermé le 31 décembre 2011, *Shougang* compte faire de *Changgang* son nouveau centre de production de produits longs. Certaines des installations fermées sur le site de Pékin seront transférées sur celui de *Changgang*.

- *Shougang Yili Iron & Steel (Yigang)*, filiale de *Shougang* implantée dans la région autonome ouïgoure du Xinjiang (nord-ouest de la Chine), a terminé ses tests à chaud sur les laminoirs de capacité 800 000 tonnes par an. Le groupe *Shougang* dont le siège social est à Pékin a acquis *Yigang* en 2008 et en 2010 et a annoncé une mise à niveau technique et l'expansion de la capacité de la nouvelle filiale pour un coût estimé de 4,2 milliards de RMB. La mise à niveau a consisté à remplacer deux convertisseurs de 30 tonnes et en ajoutant un laminoir à fil à grande vitesse de 600 000 tonnes par an. En conséquence, les capacités de productions d'acier brut et fini ont été portées à 2 millions de tonnes par an.
- Le 16 mai 2013, le haut fourneau n°3 de *Tianjin Metallurgical* et n°2 de *Steel & Youfa Iron and Steel*, a produit avec succès son premier acier liquide. Avec la mise en service de son nouveau haut-fourneau, la société a maintenant deux hauts fourneaux de 1260 mètres cubes d'une capacité combinée de 2,4 millions de tonnes par an. Le haut fourneau n°1 de l'entreprise avait été commandé le 9 décembre 2012.
- *Shougang* a signé avec le district de développement économique de Tonghua un accord qui prévoit l'implantation dans la région de la nouvelle usine intégrée de 2.7 Mt/an de sa filiale *Tonghua Iron & Steel (Tonggang)*. En juillet 2010, *Shougang* avait acquis une participation de 77.59 % dans l'entreprise *Tonggang*, basée à Tonghua, dans la province du Jilin (nord-est de la Chine). La nouvelle usine, dont le coût s'élèvera à 10 milliards RMB, sera établie à proximité du site actuel de *Tonggang*.
- *Tongling Fuxin Iron & Steel*, dans la province Anhui à l'est de la Chine, a mis en service en 2012 une usine de capacité de production de 1,26 million de tonnes par an, avec un convertisseur de 120 tonnes.
- *Wuhan Iron & Steel (Wugang)* a démarré la construction de son aciérie de Fangchenggang, un projet initié de longue date, après avoir reçu l'autorisation du gouvernement central le 24 mai 2012. Cette nouvelle usine intégrée aura une capacité nominale de production de 8,5 Mt/an de fonte, de 9.2 Mt/an d'acier brut et de 8,6 Mt/an de produits finis notamment des bobines laminées à chaud, des tôles fortes, des bobines laminées à froid et à chaud.
- La filiale *Acheng Iron & Steel* du groupe *Xilin Iron & Steel Group*, à Harbin, dans la province du Heilongjiang (nord-est de la Chine), a réalisé un test à chaud pour son nouveau convertisseur et le matériel connexe. La compagnie a également mis en service son four de 1080 mètres cubes en janvier 2012.
- *Xinjiang Bagang Nanjiang Steel Baicheng (Nanjiang)* a mis en service son haut-fourneau n°1 le 28 mars 2013. La construction du projet Nanjiang, d'un coût estimé à 8,8 milliards de RMB, a débuté en août 2010 dans la zone du Nanjiang. Le nouveau site intègre deux hauts-fourneaux de 1 800 mètres cubes et deux convertisseurs de 120 tonnes.
- *Xinjiang Da'an Special Steel* a mis en service ses nouvelles aciéries intégrées à Hami, ville ouïgoure du Xinjiang extrême nord-ouest région autonome à l'extrême nord-ouest de la Chine en août 2013. Les nouvelles unités sont capables de produire 800 000 tonnes par an de fil machine. Les installations principales de l'usine comprennent un four de 1080 mètres cubes, un convertisseur de 120 mètres et un laminoir à cinq lignes.

- *Xinjiang Kunlun Iron & Steel*, dans le nord-ouest de la Chine, a mis en service une nouvelle usine de fers à béton en mai 2013, d'une capacité de 1 million de tonnes par an. Un haut fourneau de 630 mètres cubes et deux convertisseurs de 60 tonnes avaient déjà été installés.
- *Xinjiang Kunyu Steel* a investi dans trois hauts-fourneaux de 450 mètres cubes, deux convertisseurs de 50 tonnes, une ligne de production de 1,1 million de tonnes par an de barres et de 70 000 de fil machine à grande vitesse. Tous les projets étaient prévus pour être achevés d'ici la fin de Juillet 2013, *Kunyu Steel* devait porter sa capacité de production à 1,8 million de tonnes par an de fonte, de 1,8 million d'acier brut et 1,8 million de tonnes par an de produits finis.
- *Xinxing Ductile Iron Pipes (Xinxing)* a lancé la deuxième tranche de son projet d'aciérie intégrée de 3 Mt/an, dans la région autonome ouïgoure du Xinjiang, avec une cérémonie d'ouverture le 6 Septembre 2013. Dans la deuxième phase de l'expansion, l'opération Xinjiang projette 2 millions de tonnes par an de capacité supplémentaire par rapport à son niveau actuel de environ 1 million de tonnes par an avec mise en service à la fin 2011. La deuxième phase comprendra des nouvelles capacités de 900 000 tonnes par an de barres, 500 000 tonnes par an de sections, 300 000 tonnes par an de tuyau en fonte ductile et 340 000 tonnes par an de billettes rondes. L'ensemble du projet a été estimé à 4,97 milliards de RMB.
- Basée dans la ville de Changzhou, dans la province du Jiangsu, *Zenith Steel Group* a achevé l'augmentation de sa capacité de production d'acier brut en 2012. L'expansion qui incluait une série d'améliorations techniques a porté la capacité de production d'acier de la société à 12 millions de tonnes par an contre 7 millions de tonnes par an précédemment.
- *Zhongyuan spécial Steel (Zhongyuan)* dans la province centrale du Henan, prévoit la mise en service d'un projet de production d'acier de capacité 300 000 tonnes en 2015. Un nouveau four à arc électrique de 60 tonnes sera construit pour produire 200 000 tonnes par an de billettes en coulée continue et 100 000 tonnes par an de lingots.

Inde

- Le groupe *Adhunik* prévoit de construire une aciérie intégrée de 1.1 Mt/an dans le district de Purulia (Bengale occidentale). Il a signé un mémorandum d'accord avec les autorités du Karnataka pour construire une aciérie de 2.2 Mt/an dans le district de Raichur de cet État.
- Au cours des dernières années, *ArcelorMittal* a signé des protocoles d'entente distincts avec les gouvernements de trois États pour construire une usine de capacité 6 millions de tonnes par an dans le Karnataka et 12 millions de tonnes par an dans le Jharkhand et l'Orissa. Cependant, les problèmes liés à l'acquisition de terrains, l'approvisionnement du minerai de fer, et d'autres problèmes ont causé des retards importants. En juillet 2013, la société a décidé de ne pas poursuivre la construction de l'usine en Orissa, mais a indiqué qu'il poursuivrait deux de ses projets dans le Jharkhand et le Karnataka.
- *Bhushan Power & Steel Ltd (BPSL)* s'efforce d'acquérir des terrains dans l'État du Jharkhand pour y implanter l'usine intégrée de 3 Mt/an qu'il prévoit de construire.

- *Bhushan Steel* a récemment ajouté un haut-fourneau de 3800 mètres cubes avec une capacité de 3 Mt/an dans son site de Angul dans l'Odisha.
- *BMM Ispat* a mis en service un four à arc électrique avec une capacité de 1,1 million de tonnes et d'autres équipements d'aciérie pour son site de *Danapur* dans le district Hospet de l'État de Karnataka. Le nouveau devait commencer ses opérations à la fin -2013.
- *Electrosteel Steel Ltd (ESL)* a signé un accord avec le chinois *Laiwu Steel Group* qui prévoit que ce dernier l'aidera à la mise en service d'une aciérie intégrée de 2,51 millions de tonnes par an dans Bokaro, situé dans l'est de l'État de Jharkhand. Les aciéries de *ESL* à Bokaro comprendront deux hauts fourneaux de 1050 mètres cubes chacun, qui nourriront deux convertisseurs à oxygène de 60 tonnes. L'acier brut produit serait introduit dans deux laminoirs de billettes à cinq brins avec une capacité combinée de 1,47 million de tonnes par an.
- En 2011, *Essar Steel* a achevé l'agrandissement de son aciérie intégrée à Hazira dans l'État du Gujarat, élevant ainsi sa capacité de production d'acier brut à environ 10 Mt/an. Elle prévoyait de porter sa production à 80-85 % de sa capacité pendant l'exercice 2012-13. Son programme d'expansion comprend également l'implantation d'aciéries entièrement nouvelles : 3.2 Mt/an dans le Chhattisgarh, 6 Mt/an dans le Jharkhand, 6 Mt/an dans le Karnataka et 6 Mt/an dans l'Odisha (« Orissa » jusqu'en 2011).
- *Jai Balaji Industries Ltd (JBIL)* a annoncé qu'il avait obtenu les financements nécessaires pour la première tranche de 2 Mt/an de son projet de construction d'une unité entièrement nouvelle de 5 Mt/an à Purulia, dans le Bengale occidental. D'un coût estimé à 18.7 milliards INR, cette première tranche sera principalement financée par un syndicat de banques dirigé par la Banque d'Inde. Elle devait s'achever en 2013.
- *Jayaswal Neco* prévoit de construire un four à arc électrique de 570 000 tonne/an à Raigarh, dans l'État du Chhattisgarh. L'entreprise a également signé avec l'État du Bengale occidental un mémorandum concernant la construction d'une aciérie intégrée de 3.2 Mt/an.
- *Jindal Stainless Ltd* a mis en service son site intégré d'une capacité de 800 000 tonnes par an à Kalinganagar dans l'État Indien de l'Odisha. L'entreprise a également mis en service son laminoir à chaud de 800 000 tonnes et son laminoir à froid de 400 000 tonnes.
- *Jindal Steel & Power Ltd (JSPL)* a mis en service un four à arc électrique de 250 tonnes à Angul dans l'État oriental de Odisha en août 2013 dans le cadre de sa nouvelle aciérie intégrée de 6 millions de tonnes de capacité par an. Le four à arc électrique a une capacité de 2,5 millions de tonnes par an et il est le plus grand d'Inde. Il est également le deuxième plus grand en Asie, dépassé seulement en taille par certains fours japonais plus grands. La société a pour plans d'ajouter 3 millions de tonnes de capacité à son site de Raigarh dans l'État central de Chhattisgarh. En outre, *JSPL* a des plans pour deux projets entièrement nouveaux dans le Jharkhand avec des niveaux de capacité proposés de 5 millions de tonnes par an et 3 millions de tonnes par an.
- *JSW Steel* ralentit les travaux d'agrandissement de son aciérie de *Vijayanagar* dans l'État méridional du Karnataka en raison de l'absence de garanties fourni-

tures de minerai de fer. La capacité de production d'acier brut à *Vijayanagar* devait passer de 10 à 12 millions de tonnes par an, après l'achèvement prévu initialement prévu en 2013. Cette expansion devait s'appuyer sur l'installation d'une unité de réduction directe de minerai de fer de capacité 1,2 million de tonnes et sur des travaux sur trois des hauts-fourneaux de l'usine. D'autre part, il était prévu que l'entreprise démarre la construction de la première phase de l'aciérie intégrée de capacité 10 million de tonnes par an sur le nouveau site de *Salboni* dans l'État oriental du Bengale occidental vers octobre 2012. La presse indique néanmoins que le projet est actuellement en attente tant que l'approvisionnement en minerai de fer n'est pas assuré.

- *JSW Steel* cherche à accroître sa capacité de production d'acier brut de 3,3 millions de tonnes par an actuellement à 8 millions de tonnes par an par l'expansion de ses installations intégrées produisant des produits plats de sa filiale *JSW Ispat Steel*. L'usine est située à *Dolvi*, dans l'État occidental du Maharashtra. L'expansion à *Dolvi* sera réalisée après que la fusion entre *JSW Steel* and *JSW Ispat* sera réalisée.
- *Kalyani Gerdau Steels*, le fabricant indien d'aciers spéciaux et d'aciers longs, filiale de *Gerdau*, société sidérurgique brésilienne, a commencé l'exploitation commerciale de son aciérie intégrée. L'usine dispose d'une capacité de 275 000 tonnes par an et est situé à *Tadipatri*, dans le District de *Ananthpur*, dans l'État d'*Andhra Pradesh*, en Inde.
- *Kalyani Steels* a signé des protocoles d'entente avec le gouvernement de l'Etat du Karnataka pour la construction de deux aciéries, chacune avec une capacité de 3 millions de tonnes par an. Une des usines sera à *Koppal* et produira un mélange d'aciers au carbone et d'alliages. L'autre sera dans le district de *Yadgir* et produira des aciers inoxydables.
- *Kamineni Steel and Power India* met en place une usine de capacité 360 000 tonnes fabricant des billettes rondes et a proposé également de mettre en place une centrale à gaz de 220 MW à *Narketpally*, dans l'État de l'Andhra Pradesh. L'usine se situera à côté des autres sociétés du groupe *Oil Country Tubular Limited (OCTL)* et *United Seamless Tubular Private Limited (USTPL)*. La société a commencé à construire l'usine de billettes en avril 2011 et devait la mettre en service en mars 2013.
- *Maharashtra Seamless Ltd (MSL)*, premier producteur indien de tubes sans soudure, se propose de construire une aciérie de 500 000 t/an pour alimenter en billettes de section ronde son unité de fabrication de tubes. Cette aciérie, qui sera implantée à *Kunekere* dans le district de *Koppal* (État de Karnataka), devrait exiger un investissement d'environ 609 millions USD qui sera financé par le recours à l'endettement, des prélèvements sur les réserves et des ressources internes.
- *Mideast Integrated Steel Ltd*, une entreprise du groupe *Mesco*, prévoit d'étendre la capacité de production d'acier à *Kalinganagar* à 3,5 millions de tonnes par an dans cinq ans. La société a déjà commencé à moderniser sa fabrication de fonte à *Kalinganagar*, lui permettant de produire 1,2 million tonnes par an. Dans la deuxième phase, l'entreprise installera un haut fourneau de 3200 mètres cubes de taille, une usine de trempage de 3,3 millions, une batterie de fours à coke d'une capacité de 1,5 million de tonnes par an, deux convertisseurs ayant chacun une capacité de 100 tonnes, un laminoir de billettes, et un autre de brames.

- Le fabricant d'éponges de fer, *Monnet Ispat & Energy Ltd (MIEL)* a signé un protocole d'entente en 2003 avec le gouvernement de l'État du Jharkhand pour mettre en place une aciérie de 1,5 million de tonnes alimentée par une unité de réduction directe. Cependant, il est indiqué que l'entreprise envisage d'annuler le projet d'aciérie. D'autre part, la société prévoit d'importer des billettes pour alimenter une nouvelle usine de fers à bétons de 500 000 tonnes de capacité par an. L'usine sera la première unité de son projet d'aciérie intégrée de 1,5 million de tonnes par an à Raigarh. Les installations en amont qui seraient mises en service à Raigarh comprennent un haut fourneau de 550 mètres cubes et un four à arc électrique.
- L'entreprise publique indienne d'extraction de minerai de fer *National Mineral Development Corporation (NMDC)* construit une aciérie intégrée de 3 Mt/an à Nagarnar dans le Chhattisgarh (est du pays), ayant signé un contrat avec un consortium mené par *Siemens VAI* pour lui fournir son aciérie. Le site de *Chhattisgarh* accueillera deux batteries de 67 fours à coke, une usine de trempage de 140 mètres carrés, et un four de 4500 mètres cubes. La société minière et sidérurgique russe *Severstal* était en pourparlers pour mettre en place une co-entreprise avec *NMDC* pour construire une aciérie de capacité 3 millions de tonnes par an dans l'État du Karnataka au sud de l'Inde. Cependant, *Severstal* a décidé de se retirer du projet de co-entreprise.
- *Neo Metaliks* investit actuellement dans une usine intégrée entièrement nouvelle de 1.5 Mt/an implantée dans le Bengale occidental. L'investissement correspondant s'élève à environ 51 milliards INR. Le projet comprend un mini-haut-fourneau, une unité de réduction directe, un four à arc électrique, un four à induction et une centrale de 250 MW.
- L'entreprise publique *Steel Authority of India Ltd (SAIL)* et le coréen *POSCO* ont l'intention de construire une aciérie intégrée entièrement nouvelle de 3.5 Mt/an pour produire des tôles magnétiques à grains orientés à Bokaro, dans le Jharkhand. *SAIL* exploite déjà une aciérie intégrée à Bokaro et dispose de terrains supplémentaires qui pourraient accueillir la nouvelle installation.
- *POSCO* a signé un protocole d'entente avec le gouvernement du Karnataka en juin 2010 pour construire des aciéries de capacité 6 millions de tonnes par an financées par un investissement total d'environ 300 milliards de roupies. Toutefois, la société a finalement décidé de mettre en attente la construction en raison de retards dans l'obtention des droits d'exploitation du minerai de fer et des terrains fonciers. Par conséquent, le *Conseil de développement industriel du Karnataka (KIADB)* et *POSCO* ont convenu de mettre fin à ce projet en juin 2013. En janvier 2014, la société a annoncé qu'elle a reçu une approbation conditionnelle du Ministère indien de l'Environnement et des Forêts pour la construction d'une aciérie intégrée de 12 millions de tonnes par an dans l'état indien de l'Odisha, un projet qui avait subi d'importants retards. Le ministère a approuvé à condition que *POSCO* dépense 600 millions de dollars sur des engagements sociaux, qui s'ajoutent aux coûts du projet.
- L'entreprise publique indienne de sidérurgie *Rashtriya Ispat Nigam Ltd (RINL)* a presque terminé le projet qui doit lui permettre d'augmenter la capacité de production d'acier brut de son usine de Vizag à Vishakhapatnam, dans l'État méridional de l'Andhra Pradesh. La nouvelle aciérie a récemment été mise en service. D'une capacité de 3.3 Mt/an, elle est équipée de deux convertisseurs à oxygène de

150 tonnes de SMS Demag, destinés à produire 2.8 Mt/an d'acier brut. Par ailleurs, *RINL* a signé un mémorandum avec le gouvernement de l'Andhra Pradesh concernant un investissement de 424 milliards INR dans plusieurs projets relatifs à son usine de Vizag. Elle prévoit d'investir 250 milliards INR pour porter la capacité de production d'acier de l'usine à 11.5 Mt/an sous réserve que les autorités lui allouent les approvisionnements en minerai de fer dont elle a besoin. La société a contracté avec l'équipementier industriel Siemens pour renouveler son four n°2 dans le cadre du projet d'augmenter la capacité de production. Le four n°2 mise à jour verra son volume intérieur augmenté de 3200 à 3820 mètres cubes. *Siemens* modernise également le haut fourneau n°1 de l'usine.

- *Rkkrr Aciers* construit un convertisseur à oxygène d'une capacité de 400 000 tonnes par an et qui devait être mis en service en 2012.
- *Ruchi Group* et le négociant japonais *Mitsui & Co* espèrent construire une aciérie intégrée de 1.2 à 1.5 Mt/an à Gujarat. Une deuxième phase d'expansion devrait porter la capacité à 3 à 4 Mt/an.
- *Steel Authority of India Ltd (SAIL)* a démarré le projet d'un nouveau haut-fourneau (n°8) et d'un nouveau convertisseur à oxygène à son aciérie Bhilai dans l'État de Chhattisgarh. Ce projet prévoit la réalisation d'un haut-fourneau de 4060 mètres cubes capable de produire 2,8 millions de tonnes par an et de trois convertisseurs de 160 tonnes. En conséquence, la capacité de production d'acier brut à Bhilai passera à 7 millions de tonnes par an d'environ contre 3 millions de tonnes par an auparavant. En outre, la société cherche à achever des travaux d'expansion à ses aciéries IISCO à Burnpur dans l'État oriental du Bengale occidental d'ici la fin de 2013. La capacité de production d'acier brut à IISCO est passée à 2,8 millions de tonnes par an grâce à ce projet d'expansion. Ce site accueillera un haut-fourneau de 4060 mètres cubes avec une capacité de production de 2,75 millions de tonnes par an et trois convertisseurs à oxygène de 150 tonnes. Le 10 août 2013, la société a mis en service un nouveau haut-fourneau ("Durga") à son usine sidérurgique de Rourkela (RSP) dans l'état d'Odisha, à l'est du pays. Le haut fourneau est le plus grand en Inde avec un volume utile de 4060 mètres cubes. L'usine Rourkela Steel dans l'Odisha verra donc sa capacité de production d'acier brut passer à 4,2 millions de tonnes par an. Bien que la société dispose également d'un projet de construction d'une nouvelle usine de capacité 5,6 millions de tonnes par an sur l'ancien site de l'établissement Fertiliser Corporation of India (FCIL) à Sindri, dans le Jharkhand, il est peu probable que *SAIL* fasse des investissements jusqu'à ce que les questions foncières aient été résolues.
- L'entreprise spécialisée dans l'exploitation de minerai de fer, *Sesa Goa*, est susceptible de signer dans un avenir proche un protocole d'accord (MoU) avec le gouvernement du Jharkhand pour construire une usine sidérurgique de capacité 1,5 million de tonnes par an dans l'État.
- À Jamuria, dans le district de Burdwan du Bengale occidental, *Shyam SEL & Power* va construire une aciérie intégrée entièrement nouvelle de 1.1 Mt/an pour y fabriquer des produits longs. Cependant, l'entreprise est confrontée à des pénuries de charbon. Elle explique qu'elle a démarré la construction sur le site de Burdwan mais que l'administration locale ne lui a pas attribué les blocs miniers indispensables à l'approvisionnement des unités de production.

- *Shyam Steel Industries* a signé un mémorandum d'accord avec les autorités du Bengale occidental en février 2008. Le groupe prévoit d'implanter deux nouvelles aciéries intégrées – l'une d'une capacité de 1.1 Mt/an, à Raghunathpur dans le district de Purulia, et l'autre d'une capacité de 600 000 t/an, à Kharagpur dans le Midnapore Ouest.
- Le groupe *National Mineral Development Corporation (NMDC)* a fusionné avec le producteur de fer préréduit *Sponge Iron India Ltd (SIIL)*. Depuis, il prévoit de faire passer la capacité nominale de l'unité de réduction directe de *SIIL* de 60 000 t/an à 260 000 t/an. Il prévoit aussi de procéder à une intégration vers l'aval de la filière en construisant un train de laminage de 240 000 t/an dans l'État de l'Andhra Pradesh (sud de l'Inde).
- Le producteur indien de tubes *Surya Roshni* veut procéder à une intégration vers l'amont avec la construction d'une aciérie intégrée de 5 Mt/an dans l'État du Karnataka (sud du pays). Par l'intermédiaire de sa filiale *Surya Vijay Nagar Steel & Power*, il a signé un mémorandum avec les autorités de cet État pour une unité de production de bobines laminées à chaud destinées à approvisionner ses laminoirs à tubes.
- Le producteur de fonte *Tata Metaliks*, une filiale de *Tata Steel*, a signé un mémorandum avec les autorités de l'État du Karnataka pour la construction d'une aciérie de 3 Mt/an à Haveri. Les deux entreprises travailleront en collaboration sur le projet mais ne devraient démarrer les travaux qu'après l'attribution de mines de fer.
- *Tata Sponge Iron Limited* prévoit de construire une aciérie de 1.5 Mt/an à Beliapada dans l'Odisha (« Orissa » jusqu'en 2011). La *High Level Clearance Authority* (autorité chargée de délivrer les autorisations) de l'Odisha a approuvé le projet.
- *Tata Steel* avait commencé la construction de son usine de Kalinganagar dans l'Odisha en janvier 2011. La société espérait mettre en service la première phase de son usine intégrée entre octobre 2013 et mars 2014. Cette phase devrait conduire à augmenter de 3 millions de tonnes par an la capacité de production d'acier brut pour alimenter les laminoirs à chaud et à froid de l'usine. La deuxième phase, qui prévoit 3 millions de tonnes par an de capacité supplémentaire de production d'acier brut, devrait être achevée d'ici mars 2015. Le 8 juin 2012, la société a signé une déclaration d'intérêt (EoI) avec le gouvernement de l'État du Karnataka pour construire une aciérie intégrée de 6 millions de tonnes par an à Haveri. En outre, la société a achevé son projet d'agrandissement de son site de Jamshedpur dans l'État de Jharkhand en décembre 2012, faisant passer sa capacité de production d'acier brut à 9,7 millions de tonnes par an contre 6,8 millions de tonnes par an auparavant. L'expansion a été réalisée principalement dans le secteur des produits plats, qui représente actuellement environ 6,5 millions de tonnes par an de la capacité globale installée. La société prévoit également de construire de nouvelles aciéries de capacité 5,5 millions tonnes par an à Chhattisgarh.
- La famille Miglani – copropriétaire de l'unité de laminage à froid et de galvanisation *Uttam Galva Steels* – a racheté *Brahmani Industries Ltd (BIL)*, ensuite rebaptisé *Uttam Galva Ferrous*. Un projet d'aciérie de 2.5 Mt/an démarré à Kadapa en 2007 avance lentement : à l'heure de la rédaction de ce document, la première phase (1.25 Mt/an) n'était pas terminée. En juin 2010, l'entreprise s'est également engagée à construire une aciérie intégrée de 6 Mt/an à Bellary.

- *Uttam Galva Steels* a retardé son projet d'installation d'une usine intégrée dans l'Odisha, État à l'est de l'Inde. En octobre 2006, *Uttam Galva Steels* avait signé un mémorandum avec les autorités de l'Odisha en vue de construire une unité entièrement intégrée de production de bandes à chaud de 3 Mt/an dans cet État. Le projet devait intégrer des unités de laminage à froid, de galvanisation et d'autres unités en aval.
- Depuis quelques années, *Vedanta Resources* prévoyait de construire une aciérie intégrée dans l'Odisha et, au début de 2008, elle a repéré un site possible dans le district de Keonjhar. *Vedanta* a mis son projet en attente en septembre 2008 mais l'a réexaminé en juillet 2009 et a décidé de construire l'aciérie par l'intermédiaire de Sesa Goa.
- Le *Videocon Group* n'est pas en mesure de démarrer les travaux nécessaires à son projet sidérurgique de 210 milliards INR à Durgapur (Bengale occidental) tant que son approvisionnement en charbon ne sera pas assuré. Ce projet d'une capacité de 3 Mt/an qui comprend une centrale captive de 1 200 MW est retardé depuis deux ans.
- *Viraj Profiles*, prévoit actuellement d'augmenter sa capacité de production d'acier inoxydable de 52% à 528 000 tonnes par an par l'ajout d'un convertisseur AOD à son usine de *Tarapur* dans l'État occidental du Maharashtra.
- *Visa Steel* a signé des mémorandums d'accord avec les États du Chhattisgarh et du Madhya Pradesh pour y construire des aciéries intégrées de respectivement 2.5 Mt/an et 1.5 Mt/an. L'entreprise a également le projet de s'équiper d'une capacité supplémentaire de 500 000 t/an d'acier inoxydable.
- Le producteur de fonte *VSL Steels* se prépare à construire un haut-fourneau supplémentaire et un atelier de fusion de 400 000 t/an équipé de laminoirs.
- *Welspun Corp Ltd (WCL)* a proposé en août 2009 de mettre en place une usine d'acier avec une capacité annuelle de 1,5 million de tonnes par an dans le Maharashtra. Toutefois, la société a mis en attente son projet en raison du manque de matières premières et d'énergie. Les retards concernant les autorisations environnementales ont également contribué à l'ajournement du projet.
- La co-entreprise sidérurgique indo-chinoise *Xindia Steels* a mis en service son unité d'agglomération de 800 000 t/an (première tranche) dans le Karnataka. *Xinxing Cathay*, l'actionnaire majoritaire de *Xinxing Ductile Iron Pipes*, possède 35 % des actifs de *Xindia Steels*. Les partenaires entendent poursuivre leur projet d'agrandissement en construisant une aciérie intégrée de 2.5 Mt/an qui comprendra des installations de production de tuyaux ductiles et de ciment.

Indonésie

- *PT Delta Prima Steel* prévoit de mettre en service une unité de production de billettes de 100 000 t/an à Plehari dans la province de Kalimantan-Sud. L'installation sera équipée d'unités de réduction directe et alimentée par la production de la mine de *PT Delta Prima Steel* à proximité.
- L'entreprise *PT Gunung* a fait une commande pour la fourniture d'un four à arc électrique et une poche de coulée pour le nouveau complexe sidérurgique de Bekasi, dans la province indonésienne de l'ouest de Java. Les fourneaux ont une ca-

capacité de production de 1,2 million de tonnes par an. Leur démarrage était prévu pour mi-2013.

- *Nanjing Iron & Steel (Nangang)*, de la province du Jiangsu à l'est de la Chine, prévoit de mettre en place une aciérie d'un million de tonnes de capacité par an axés sur les produits longs dans une joint-venture avec *PT Gunung Gahapi Sakti (GGS)*, une entreprise d'Indonésie. L'installation sera mise en place à Medan, dans le nord de Sumatra, dans les cinq prochaines années. L'usine aura des hauts fourneaux, des convertisseurs et des laminoirs, avec 500 000 tonnes par an de capacité devant être mis en service dans les trois ans dans le cadre de la première des deux étapes du projet.
- Les nouvelles aciéries intégrées, détenues par la joint-venture entre le Coréen *POSCO* et l'entreprise publique indonésienne *PT Krakatau Steel*, ont une capacité de 3 millions de tonnes par an et ont officiellement allumé le premier haut fourneau le 23 décembre 2013. La joint-venture à 70/30 vise à produire 1,8 million de tonnes par an de brames et 1,2 million de tonnes par an de tôles fortes quand elle sera à pleine capacité, et il est prévu de doubler sa capacité de production d'acier brut en la passant à 6 millions de tonnes par an en phase 2. Ce projet d'usine sidérurgique intégrée fait partie du Plan directeur (*Master Plan*) de l'Indonésie visant à accélérer le développement économique du pays. Il s'agit du premier haut fourneau de grande taille en Asie du Sud-Est et ce site sera la première aciérie intégrée de *POSCO* en dehors de Corée. En janvier 2014, *PT Krakatau POSCO (PTKP)* a effectué sa première livraison de tôles fortes à deux clients locaux.
- *PT Mandan Steel* a signé un mémorandum d'accord avec le chinois *Zhengzhou Yongtong Special Steel* en vue d'exploiter avec lui l'unité *Mandan* de production de billettes de 1 Mt/an située dans la province indonésienne de Kalimantan. *Mandan Steel* est une filiale de *China Nickel Resources Holding*, cotée à la bourse de Hong Kong. Elle prévoit de porter à 3 Mt/an sa capacité de production de billettes à une étape ultérieure du projet.
- *PT Semeru Surya Steel* a prévu de construire une unité de production de billettes de 300 000 t/an, mais la date de début des travaux n'était pas encore connue au moment de la rédaction de ce document.
- L'équipementier luxembourgeois *Paul Wurth* participe aux projets de construction de deux aciéries intégrées en Indonésie. Chaque nouvelle installation aurait une capacité de 3,5 Mt/an. *Paul Wurth* a signé avec l'indonésien *Merukh Enterprises* un accord de coopération relatif aux études de faisabilité. Selon des médias indonésiens, les aciéries seront implantées à Sumba Est et Sumba Ouest, dans la province de Nusa Tenggara Est (dans l'est de l'archipel indonésien). Le calendrier envisagé prévoit un début des travaux en août 2013 et une mise en service de l'installation d'ici 2015. Le projet est estimé à 20 milliards EUR, plus 10 milliards EUR pour l'infrastructure.
- L'entreprise publique *Steel Authority of India (SAIL)* et le gouvernement indonésien ont signé un mémorandum en vue de la construction d'une aciérie de 3 Mt/an dans la province de Kalimantan-Centre. La capacité initiale de 3 Mt/an de l'installation pourrait être portée à 7 Mt/an.

Laos

- *Kunming Steel* construit une unité de production de fers à béton de 200 000 t/an au Laos. Il investit dans ce pays en partenariat avec *Shanghai Corporation for Foreign Economic & Technological Cooperation*, une société étrangère de conseil et d'ingénierie. L'aciériste détient une participation de 70 % dans le projet dont la première tranche devrait coûter 118 millions USD.

Malaisie

- *Acerinox* et son partenaire japonais *Nisshin Steel* envisagent de construire une unité de production d'aciers inoxydables qui s'appellera *Bahru Stainless*. En 2011, *Acerinox* a annoncé qu'il avait démarré la première tranche du projet, correspondant à une capacité de 240 000 t/an dont 182 000 t/an de produits laminés à froid. Le lancement de la deuxième tranche est prévu en 2013. Cette deuxième tranche portera la capacité à 400 000 t/an et ajoutera un train de laminage à froid à l'installation. Le projet se conclura par la mise en service d'un atelier de fusion de 1 Mt/an et d'un train de laminage à froid de 600 000 t/an.
- *Eastern Steel* une co-entreprise de l'entreprise malaysienne *Hiap Teck Venture Berhad* et du sidérurgiste chinois *Shougang Group* ont inauguré le site d'aciéries intégrées de *Telok Kalong Kemaman*, dans l'état de Terengganu. La première phase de ce projet implique l'installation d'un mini haut fourneau de capacité de production de 700 000 tonnes par an, d'un volume intérieur de 600 mètres cubes, ainsi qu'une coulée continue de même capacité. Il est prévu que la nouvelle usine soit démarrée au premier trimestre 2014.
- *Malaysia Steel Works (Masteel)* a récemment terminé un projet de rénovation se montant à 80 millions d'EUR ce qui porte sa capacité de production de billettes à 600 000 tonnes, contre 550 000 tonnes précédemment.
- *Melewar Industrial Group* se prépare à construire en Malaisie une aciérie de 3 Mt/an destinée à devenir le deuxième plus gros centre de production de bobines laminées à chaud du pays. *Maagma Steel*, qui sera basée à seulement 20 km du centre malaisien de transfert de minerai de fer de Vale, aura une capacité initiale de production de 1.5 Mt/an en 2015, qu'il est prévu de porter à 3 Mt/an d'ici 2017 après une deuxième phase de travaux. Les fours à arc électrique de l'usine seront alimentés par du fer préréduit (DRI) produit sur site à partir de morceaux ou de boulettes de minerai fournis par Vale. Celui-ci s'est déjà engagé à livrer 2.4 Mt/an de minerai au cours de la première phase du projet.

Corée du Nord

- Le chinois *Tangshan Iron & Steel* prévoit d'établir une coentreprise sidérurgique de 1.5 Mt/an en Corée du Nord ; il s'agirait de la première entreprise chinoise qui concrétiserait un projet sidérurgique dans le pays. *Tangshan Iron & Steel* a signé à ce sujet une lettre d'intention avec le gouvernement mais le projet ne semble guère avancer.

Pakistan

- *Abbas Steel* avait le projet de mettre en service une unité de production de billettes pour alimenter ses laminoirs à fers à béton et à fil machine en juin 2012. La première tranche du projet comprend la mise en place d'un four à induction, d'un four à arc électrique et d'une machine de coulée à deux lignes d'une capacité de 100 000 t/an de billettes. La deuxième tranche, programmée pour le début de 2013, devait permettre un doublement de la capacité de production de billettes (ainsi portée à 200 000 t/an) et l'installation d'un train de laminage supplémentaire pour la fabrication de profilés lourds.
- *Pakistan Steel* se prépare à porter sa capacité de production d'acier de son niveau actuel de 1 Mt/an à 3 Mt/an puis, dans un deuxième temps, à 5 Mt/an. L'entreprise a créé un groupe de travail conjoint chargé de superviser ce projet d'agrandissement et de modernisation.
- En septembre 2011, l'aciériste coréen *POSCO* s'est engagé à investir dans la poursuite de l'agrandissement de la première aciérie intégrée du secteur privé pakistanais, *Tuwairqi Steel Mills Ltd. (TSML)*. Le Coréen a signé un accord de coentreprise avec la société mère de *TSML*, *Al Tuwairqi Holding* (basée en Arabie saoudite), pour acquérir une participation de 15 % dans le projet pakistanais, dont le coût est estimé à environ 300 millions USD, fonds de roulement inclus. *TSML* a progressé dans son projet de démarrage de sa nouvelle unité de réduction directe de 1.28 Mt/an. Les deuxième et troisième tranches du projet comprendront une unité de production de billettes à four à arc électrique et une mine de fer. La nouvelle aciérie de 2 Mt/an devrait être achevée d'ici 2015.

Philippines

- *Global Steel Philippines* envisage de procéder à une intégration en amont de son unité d'Iligan à Mindanao (sud des Philippines), et donc de construire une aciérie intégrée d'une capacité de 3.6 Mt/an pour fabriquer les brames destinées à ses laminoirs.
- *SteelAsia Manufacturing* prévoit d'installer un atelier de fusion de 600 000 t/an sur son site de Bulacan et un atelier de fusion de 400 000 t/an à Cebu (archipel des Visayas). Ces deux projets devraient s'achever à la fin de 2013 ou au début de 2014.

Taipei chinois

- *Dragon Steel Corp*, une filiale de *China Steel Corp (CSC)*, a démarré le haut fourneau No. 2 d'une capacité de 2,5 millions de tonnes par an dans sa nouvelle aciérie intégrée de Taichung le 5 mars 2013. Ce second haut fourneau fait partie de la deuxième phase d'expansion se montant à 20 milliards de TWD et sera le sixième haut fourneau exploité par *CSC group*.
- *Hai Kwang Enterprise Co*, va doubler sa capacité de production de fonte (soit la porter à 1.2 Mt/an) d'ici la fin 2014, grâce à l'installation d'un nouveau four à arc électrique de 100 tonnes sur son site de Siaogang à Kaohsiung (sud de l'île) d'ici fin 2014. L'expansion conduira la société à remplacer son four à arc électrique de 60 tonne et à ajouter une unité de fabrication de billettes de 1,2 million de tonnes

par an de capacité, ce qui permettra à la mini-usine de devenir auto-suffisante en billettes.

Thaïlande

- *Sahaviriya Steel Industries* avait l'intention de construire une aciérie intégrée d'une capacité de 4,5 Mt/an de métal chaud et de 5 Mt/an de brames et de billettes. Cependant, le projet a été différé en raison de l'instabilité politique.
- Le projet thaïlandais de création d'une grande aciérie intégrée soutenue par l'État, qui a été retardé à de multiples reprises, a été indiqué il y a quelque temps sur le point de redémarrer. Une équipe de consultants va bientôt proposer deux sites possibles pour cette aciérie. Le premier se situe dans le district de Ranot de la province de Songkhla (sud du pays) et le second dans le district de Laem Sing de la province de Chanthaburi (côte est du pays). Chacun aurait une superficie de quelque 1600 hectares et permettrait la mise en œuvre du plan initialement proposé par le gouvernement thaïlandais, à la fin de 2007, qui visait la création, avec de l'aide étrangère, d'un pôle industriel sidérurgique destiné à approvisionner les secteurs nationaux de l'automobile, de la construction navale et de l'électroménager. L'aciérie envisagée aurait une capacité de 5 Mt/an.
- *Thai Intersteel*, une coentreprise créée par une entreprise thaïlandaise et une entreprise chinoise, envisage de construire une unité de production de billettes de 350 000 t/an à Phetchaburi.
- *Tycoons Worldwide Group* a annoncé la construction d'un four à arc électrique en Thaïlande. La capacité de production annuelle de billettes sera de 500 000 tonnes.

Viet Nam

- Le four à induction de 300 000 tonnes de capacité annuelle de *Hung Tuong* a été mis en service à Binh Duong en 2012.
- En 2012, *Dana-Y Steel* a commencé l'exploitation de son four à arc électrique de 350 000 tonnes de capacité par an dans la province de Da Nang. La nouvelle aciérie intègre un four à arc électrique de 40 tonnes.
- *E-United* et *Tycoons Worldwide* avaient prévu de démarrer la première tranche de leur projet d'aciérie intégrée dans la zone industrielle de Dung Quat (province de Quang Ngai) en 2013. Cette aciérie aura une capacité de production de 3 Mt/an.
- *Formosa Plastics Group (FPG)*, entreprise du Taipei chinois a commencé son projet d'usine sidérurgique intégrée dans la province de Ha Tinh au Viet Nam en décembre 2012. En août 2013, le groupe a signé un accord de co-entreprise avec le mineur *Fortescue Metals Group*, et l'entente prévoit l'achat pour un maximum de 3 millions de tonnes par an de minerai de fer au prix de marché pour les nouvelles aciéries du Ha Tinh de *Formosa*. Il est rapporté que *FPG* a l'intention de réduire la part qu'il détient actuellement dans son projet d'aciérie intégrée et que la société recherche des investisseurs supplémentaires pour le projet. À la fin septembre 2013, le conseil d'administration de *FPG* a approuvé une réduction de l'investissement dans le projet, ce qui réduit la participation du groupe de 85% à 59%. Pendant ce temps, la construction du haut fourneau n°1 est dans les temps, avec une capacité de 3,5 millions de tonnes par an; celui-ci devrait être démarré vers la fin mai 2015. Deux autres hauts-fourneaux de même capacité sont prévus

pour démarrer vers la fin mai 2016 et la fin mai 2017, amenant le site à une capacité totale de 10,5 millions de tonnes par an. Dans la deuxième phase du projet, la société prévoit de construire trois autres hauts fourneaux d'une capacité totale de 12 millions de tonnes par an ce qui porterait la capacité de l'ensemble du projet à 22,5 millions de tonnes par an.

- Le fabricant malaisien d'éléments de fixation en acier inoxydable *Tong Herr Resources* va construire une unité de production de billettes de 180 millions USD dans la zone industrielle de Phu My II (district de Tan Thanh de la province de Ba Ria Vung Tau). Il investira 20 millions USD pour acquérir une participation de 37.04 % dans la coentreprise *Fuco International* tandis que quatre investisseurs du Taipei chinois contribueront à hauteur de 34 millions USD de liquidités pour acquérir les 62.96 % restants. *Fuco International* prendra elle-même une participation dans une autre coentreprise, *Fuco Steel*, pour détenir 90 % de l'aciérie, les 10 % restants devant être acquis par *Tong Hwei Investment* pour un montant de 6 millions USD.
- Un four à induction de capacité 500 000 tonnes par an de *Hai Phong Steel* a été mis en service à Hai Phong en 2012.
- *Hoa Phat Group* a démarré sa nouvelle usine intégrée en septembre 2013. L'usine dispose d'un haut-fourneau de 550 mètres cubes et de 450 000 tonnes par an de capacité pour produire des fers à béton et du fil machine. La nouvelle usine de travail intègre aussi un four à arc électrique et trois coulées continues de billettes.
- *Kyoei Steel Vietnam Company (KSVC)* va s'équiper d'une aciérie et d'un train de laminage d'une capacité de production annuelle de 500 000 tonnes. L'entreprise aura une capacité de production annuelle de 500,000 et de 950,000 tonnes pour le laminage.
- *Nghi Son Iron & Steel Corporation (NSI)* a commandé à l'équipementier italien *Tenova* un four à arc électrique d'une capacité de 1 Mt/an. Ce four fera partie de l'usine que *NSI* veut implanter dans la province de Thanh Hoa (à environ 200 km au sud de Hanoi) et avait prévu de mettre en service au deuxième trimestre 2013. Dans un premier temps, l'atelier de fusion produirait des billettes de qualité commerciale, ainsi que des fers à béton et des profilés légers (produits finals primaires).
- Le coréen *POSCO Specialty Steel (POSCO SS)* a démarré la construction de sa première usine à l'étranger : il s'agit d'une installation de 1 Mt/an destinée à la fabrication de produits longs au carbone qui doit être implantée dans le sud du Viet Nam. Équipée d'un four à arc électrique de 120 tonnes et de deux laminoirs, cette installation produira des barres et des profilés de section moyenne à grande. Elle devrait être mise en service d'ici juillet 2014. *Danieli* est l'équipementier principal. Le coût du projet est estimé à environ 594 millions USD.
- *Vietnam Industrial Investments (VII)*, cotée en Australie, devrait finalement démarrer les travaux sur son unité de production de billettes de 500 000 t/an à Hai-phong. Le gouvernement vietnamien a approuvé le projet en février 2008. Les billettes seront principalement utilisées en interne : elles alimenteront *SSESteel* et *Vinausteel*, les ateliers de laminage du groupe.

- *Tata Steel* avait prévu précédemment de lancer une usine intégrée de 4,5 millions tonnes de capacité annuelle dans la province de Ha Tinh, via une co-entreprise avec *Vietnam Steel Corp* et *Vietnam Cement Industries Corp*. Des indications récentes montreraient que le projet ait été annulé.
- *Pomina Steel Holdings* a construit une nouvelle aciérie de 1 Mt/an dans la province de Ba Ria-Vung Tau. Équipée d'un four à arc électrique de 120 tonnes, cette aciérie produira des billettes.
- *Viet Trung Mining and Metallurgy* a récemment démarré la construction d'une unité de production de fonte et d'acier d'une capacité nominale de 1 Mt/an. La mise en service du complexe qui intègre un haut-fourneau de 5500 mètre cubes devait avoir lieu fin 2013.
- *Vietnam Steel Corp (VSC)* a demandé officiellement aux autorités locales de Can Tho l'autorisation de louer 50 hectares pour construire une aciérie dans la zone industrielle de Hung Phu I. L'installation aurait une capacité de 500 000 t/an de billettes et 500 000 t/an de produits laminés. Sa mise en service avait été prévue en 2013. Le coût du projet devrait se situer entre 200 et 250 millions USD.
- L'aciériste de Chine du Sud *Kunming Iron & Steel (Kungang)*, la société *Vietnam Steel Corp (VSC)* et l'entreprise minière locale *Lao Cai Mining* ont formé une coentreprise pour construire une aciérie au Viet Nam. La première phase des travaux viendrait de commencer : elle comprend la construction d'un haut-fourneau de 500 m³, d'un convertisseur à oxygène de 50 tonnes et d'une machine de coulée de billettes de 500 000 t/an. *Kungang* et *VSC* détiennent chacun une participation de 45 % et *Lao Cai Mining* possède les 10 % restants.
- En juin 2012, le fabricant de fers à béton *Vina Kyohei Steel* (à capitaux japonais) a donné le coup d'envoi des travaux d'expansion vers l'amont qu'il prévoyait de longue date. Il va ainsi construire un atelier de fusion, une machine de coulée de billettes et un train de laminage dont les démarrages sont prévus en 2014. L'entreprise aura une capacité de production annuelle totale de 500 000 tonnes.

Tableau 5. Capacité de production d'acier brut dans les économies non membres de l'OCDE

Millions de tonnes

	2002	2004	2007	2009	2011	2014	Taux de croissance annuelle (% par an)		
							2009/07	2011/09	2014/11
Europe non OCDE	15.5	16.0	17.3	18.0	19.8	20.3	2.0	4.8	1.0
Bulgarie	3.1	3.1	3.2	3.2	3.2	3.2	0.0	0.0	0.0
Roumanie	8.2	8.7	9.1	9.1	9.6	9.8	0.0	2.5	0.9
CEI	124.2	123.1	134.6	143.2	146.2	156.5	3.1	1.0	2.3
Fédération de Russie	70.0	70.0	77.2	83.2	87.8	95.8	3.8	2.7	2.9
Ukraine	41.2	41.2	45.7	47.4	45.4	47.3	1.8	-2.1	1.4
Kazakhstan	6.2	6.5	6.4	6.7	6.7	7.1	2.3	0.0	2.0
Amérique latine	50.0	51.5	59.6	61.1	66.9	69.4	1.3	4.6	1.2
Argentine	5.8	5.8	6.1	6.6	6.6	6.6	3.7	0.0	0.0
Brésil	33.6	34.7	41.5	41.5	47.2	48.9	0.0	6.7	1.2
Colombie	1.5	1.5	1.5	1.9	1.9	1.9	11.4	0.0	0.0
Pérou	1.0	1.0	1.2	1.3	1.3	1.3	4.2	0.0	0.0
Venezuela	5.1	5.5	6.1	6.2	6.2	7.1	0.6	0.0	4.4
Afrique	26.9	29.6	30.4	31.4	33.2	38.5	1.5	2.9	5.0
Algérie	2.4	2.4	2.6	2.6	2.6	2.6	0.0	0.0	0.0
Égypte	7.6	8.8	8.8	8.8	9.3	13.2	0.0	2.5	12.4
Libye	1.4	1.4	1.8	1.8	1.8	2.2	0.0	0.0	7.0
Nigeria	1.2	2.7	2.7	2.9	2.9	3.7	3.2	0.0	8.4
Afrique du Sud	11.8	11.8	11.8	12.3	12.3	12.3	1.9	0.0	0.1
Moyen-Orient	14.7	15.9	21.5	28.1	35.2	59.9	14.3	11.8	19.4
Iran	8.8	9.5	11.2	15.5	19.2	31.3	17.6	11.2	17.8
Qatar	0.9	0.9	1.5	1.5	1.6	2.3	0.0	4.0	12.6
Arabie Saoudite	3.8	4.3	7.3	7.4	7.9	11.5	0.8	3.3	13.1
Émirats arabes unis	0.1	0.1	0.1	1.9	3.3	4.0	301.6	31.5	6.6
Asie	296.8	449.1	739.0	864.0	1030.5	1219.0	8.1	9.2	5.8
Chine	197.4	340.1	610.3	718.0	863.3	1001.3	8.5	9.7	5.1
Autres pays d'Asie	99.4	108.9	128.7	146.0	167.2	217.7	6.5	7.0	9.2
Taipei chinois	17.7	19.8	22.5	22.8	26.6	28.9	0.6	8.1	2.8
Inde	40.4	48.0	59.9	75.0	88.8	123.7	11.9	8.8	11.7
Indonésie	5.9	5.9	5.9	6.6	6.6	10.2	5.6	0.0	15.7
Malaisie	7.5	7.5	9.0	9.2	9.9	10.7	1.0	3.7	2.5
Pakistan	3.9	3.9	3.9	3.9	3.9	4.1	0.0	0.0	1.7
Philippines	1.7	1.6	1.8	1.8	1.8	2.4	0.0	0.0	10.0
Thaïlande	7.4	7.4	8.6	8.6	9.0	9.2	0.0	2.2	0.9
Viet Nam	1.7	1.7	3.4	4.4	6.9	14.5	13.7	25.0	28.3
Total non OCDE	528.1	685.1	1002.5	1145.7	1331.7	1563.7	6.9	7.8	5.5

Note : CEI signifie Communauté des États Indépendants.

Tableau 6. Production d'acier brut dans les économies non membres de l'OCDE

	Millions de tonnes									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Europe non OCDE	9.0	9.8	10.6	11.1	12.0	11.7	10.0	6.4	7.9	8.3
Bulgarie	1.9	2.3	2.1	1.9	2.1	1.9	1.3	0.7	0.7	0.8
Roumanie	5.5	5.7	6.0	6.3	6.3	6.3	5.0	2.8	3.7	3.8
CEI	101.2	106.5	113.4	113.2	119.9	124.2	114.3	97.6	108.2	112.7
Fédération de Russie	59.8	61.5	65.6	66.1	70.8	72.4	68.5	60.0	66.9	68.9
Ukraine	34.1	36.9	38.7	38.6	40.9	42.8	37.3	29.9	33.4	35.3
Kazakhstan	4.8	4.9	5.4	4.5	4.3	4.8	4.3	4.1	4.2	4.7
Amérique latine	40.9	43.1	45.6	45.0	45.0	47.9	46.9	37.4	44.1	48.2
Argentine	4.4	5.0	5.1	5.4	5.5	5.4	5.5	4.0	5.1	5.6
Brésil	29.6	31.1	32.9	31.6	30.9	33.8	33.7	26.5	32.9	35.2
Colombie	0.7	0.7	0.7	0.8	1.2	1.2	1.1	1.1	1.2	1.3
Pérou	0.6	0.7	0.7	0.8	0.9	0.9	1.0	0.7	0.9	0.9
Venezuela	4.2	3.9	4.6	4.9	4.9	5.0	4.2	3.8	2.2	3.1
Afrique	15.8	16.3	16.7	18.0	18.7	18.7	17.0	15.4	16.6	15.7
Algérie	1.1	1.1	1.0	1.0	1.2	1.3	0.6	0.6	0.7	0.6
Égypte	4.3	4.4	4.8	5.6	6.0	6.2	6.2	5.5	6.7	6.5
Libye	0.9	1.0	1.0	1.3	1.2	1.3	1.1	0.9	0.8	0.1
Nigeria	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Afrique du Sud	9.1	9.5	9.5	9.5	9.7	9.1	8.2	7.5	7.6	7.5
Moyen-Orient	12.5	13.4	14.3	15.3	15.4	16.5	16.6	17.7	20.0	23.0
Iran	7.3	7.9	8.7	9.4	9.8	10.1	10.0	10.9	12.0	13.2
Qatar	1.0	1.1	1.1	1.1	1.0	1.1	1.4	1.4	2.0	2.0
Arabie Saoudite	3.6	3.9	3.9	4.2	4.0	4.6	4.7	4.7	5.0	5.3
Émirats arabes unis	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	2.0
Asie	241.8	285.5	342.2	437.8	509.4	585.6	610.7	674.2	748.2	799.5
Chine	182.2	222.3	272.8	355.8	421.0	489.7	512.3	577.1	638.7	683.9
Autres pays d'Asie	59.5	63.2	69.4	82.0	88.4	95.9	98.3	97.2	109.5	115.6
Taipei chinois	18.2	18.8	19.6	18.9	20.0	20.9	19.9	15.8	19.8	20.2
Inde	28.8	31.8	32.6	45.8	49.5	53.5	57.8	63.5	69.0	73.6
Indonésie	2.5	2.0	3.7	3.7	3.8	4.2	3.9	3.5	3.7	3.6
Malaisie	4.7	4.0	5.7	5.3	5.8	6.9	6.4	5.4	5.7	5.9
Pakistan	1.0	1.0	1.1	0.8	1.0	1.1	1.0	0.8	0.8	0.9
Philippines	0.6	0.5	0.4	0.5	0.6	0.7	0.7	0.8	1.1	1.2
Thaïlande	2.5	3.6	4.5	5.2	4.9	5.6	5.2	3.6	4.1	4.2
Viet Nam	0.4	0.5	0.7	0.9	1.9	2.0	2.3	2.7	4.3	4.9
Total non OCDE	421.2	474.6	542.7	640.3	720.4	804.5	815.6	848.8	945.0	1007.3

Note : CEI signifie Communauté des États Indépendants.

Source: World Steel Association.

Notes concernant les tableaux par région

Méthodologie

Pour les besoins de l'estimation des capacités de production d'acier dans les économies non membres de l'OCDE en 2014, les projets d'agrandissement ont été répartis dans les trois catégories « ferme », « possible » ou « improbable » selon la probabilité de chacun d'être réalisé et achevé d'ici 2014. Les critères en fonction desquels les projets ont été classés sont les suivants :

- stade actuel d'avancement de chaque projet – étude de faisabilité, planification, autorisation officielle, appel d'offres, exécution ou arrêt des travaux de construction ;
- disponibilité des ressources financières nécessaires pour chaque projet ;
- taille du marché intérieur de l'acier, telle qu'elle ressort de la consommation apparente d'acier ;
- intention des pouvoirs publics de créer une industrie sidérurgique et/ou de la développer ;
- disponibilité des matières premières et de l'énergie.

Les possibilités d'achèvement d'ici à 2014 des différents projets étudiés ont été évaluées au regard des critères mentionnés ci-dessus. Si les informations sur un certain nombre d'aspects ont pu faire défaut, les chiffres indiqués dans les tableaux sont néanmoins considérés comme appropriés, compte tenu des sources consultées et des données disponibles. Le classement des projets et les commentaires formulés sur leur état d'avancement n'expriment, en aucun cas, un jugement de valeur sur leur opportunité ou leur faisabilité.

Ont été classés dans la catégorie « ferme », les projets qui sont en cours de réalisation ou pour lesquels des contrats ont été attribués, qui ont fait l'objet d'engagements financiers majeurs de la part du secteur privé ou de l'État et qui devraient, selon le calendrier d'exécution des travaux, être terminés d'ici 2014. Ont été classés dans la catégorie « possible », les projets qui sont en cours de réalisation ou pour lesquels des contrats ont été attribués, mais qui ont été retardés par des problèmes d'ordre financier ou technique et qui pourraient ne pas être achevés d'ici 2014. Ont été classés dans la catégorie « improbable », les projets qui en sont au stade des études de faisabilité ou au premier stade de la planification et qui n'ont pas encore mobilisé de ressources financières ou de soutien de l'État, de même que les projets qui devraient être terminés après 2014. Dans les tableaux par région, ces projets sont signalés dans la colonne des commentaires (« Comments ») et, dans certains cas, présentés entre crochets dans la colonne des accroissements de capacité (« Increase in capacity »). Mais ils ne sont pas pris en compte dans les estimations des capacités de production d'acier en 2014.

L'estimation des capacités en 2014 a été obtenue, pour chaque pays, en ajoutant à ses capacités actuelles les capacités des projets « fermes » et la moitié des capacités des projets « possibles ». Il a été décidé d'inclure la moitié seulement de la capacité totale des projets classés « possibles » plutôt que de procéder à une évaluation plus précise de chaque projet.

Notes explicatives

Les signes et abréviations utilisés sont les suivants :

BF	Haut-fourneau : - charcoal (au charbon de bois) - coke-based (au coke) - mini (mini-haut-fourneau)
Corex	Unité de réduction directe selon le procédé Corex
DR	Unité de réduction directe selon le procédé : - Codir - Finmet - Fior - HYL - Krupp - Midrex - Plasma - Romelt - SLRN
EPIF	Four électrique à fonte
ERP	Four électrique de réduction de la fonte
IC	Carbure de fer
AOD	Unité de décarburation à l'argon-oxygène
BS	Convertisseur Bessemer basique
EF	Four à arc électrique, dont : - DC (courant continu) - shaft furnace (four à cuve)
EOF	Four à optimisation énergétique
IF	Four à induction
LD	Convertisseur LD à oxygène pur
LF	Four à poche
OH	Four Martin
Steelmkg	Unité de production d'acier
CC	Machine de coulée continue de : - slab (brames) - thin slab (brames minces) - bloom (blooms) - billet (billettes) - round billet (billettes rondes)
SLM	Train à brames
BLM	Train à blooms
BTM	Train à billettes
STR	Train à barres, à profilés, à poutrelles ou à cornières
WR	Train à fil-machine
Plate	Train à tôles
Hot	Train à bandes à chaud
Rolling	Laminoir
ERW	Ligne de production de tubes soudés – résistance électrique
SAW	Ligne de production de tubes soudés – arc immergé
SMLS	Train à tubes sans soudure

CAPL	Ligne de recuit et de décapage, en continu
Cold	Train à bandes à froid
HGL	Ligne de galvanisation par immersion à chaud
EGL	Ligne d'électro galvanisation
ZnAl	Ligne de revêtement zinc/aluminium
Tin plate	Tôles étamées
Ptg	Ligne de revêtement couleur
Silicon	Ligne de production de bobines ou tôles électriques

Les capacités indiquées sont nominales ou théoriques. Sauf mention contraire, elles sont exprimées en milliers de tonnes par an.

Les chiffres indiqués pour les capacités existantes (« Existing capacity ») et les équipements actuels (« Existing equipment ») correspondent à des estimations établies fin décembre 2011.

Les capacités indiquées dans le présent document ont été estimées sur la base des informations disponibles les plus fiables. Toutefois, les sources d'information étant limitées, bon nombre des chiffres cités correspondent aux capacités nominales ou théoriques. Dans certains cas cependant, ces chiffres ont été modifiés en fonction des données relatives à la production effective ou des objectifs des projets de modernisation.

Dans la colonne sur l'origine des capitaux (« Ownership »), on distingue les entreprises ou projets d'État (S) et les entreprises ou projets du secteur privé (P).

L'origine des informations est précisée dans la colonne « Source ». Les capacités mentionnées ici ne sont pas nécessairement identiques aux estimations tirées de ces sources. Les abréviations utilisées dans la colonne « Source » sont les suivantes :

AME	AME info FZ LLC.
AMM	American Metal Market
ANGP	Angola Press
APL	Asia Pulse
BL	Business Line (publié en Inde)
BNA	Business News Americas
BPOST	Bangkok Post (publié en Thaïlande)
BS	Business Standard (publié en Inde)
BT	Business Times (publié en Malaisie)
CMN	China Metallurgical Newsletter
DH	Deccan Herald (publié en Inde)
DJ	Dow Jones Newswires
ET	The Economic Times (publié en Inde)
FE	The Financial Express (publié en Inde)
FT	Financials Times
GURU	SteelGuru
HP	Page d'accueil du site Internet de l'entreprise
HT	Hindustan Times (publié en Inde)
IHT	International Herald Tribune
IINFO	India Infoline (publié en Inde)
ISWW	Iron and Steel Works of the World (publié par Metal Bulletin Books)

KT	Khaleej Times (publié dans les Émirats Arabes Unis)
MB	Metal Bulletin
ME	ME Steel (sur Internet)
MP	Metal Producing & Processing
MYSTL	My Steel.com (publié en Chine)
NET	Internet
NFB	News From Bangladesh
REU	Reuters Ltd
SA	Steels Alert
SBB	Steel Business Briefing
SO	SteelOrbis
SWEEK	Steel WEEK (publié au Royaume-Uni)
TG	The Telegraph (publié en Inde)
VIR	Vietnam Investment Review
VNS	Vietnam News

AFRICA

Thousand tonnes per year

Economy	Nominal capacity							Crude steel production 2011	Apparent consumption 2011
	Exist 2011	Increase to 2014			Capacity in 2014				
		Firm	Possible	Unlikely	Mean	Low	High		
ALGERIA	2 635	0	0	8 400	2 635	2 635	2 635	551	4 745
EGYPT	9 292	3 250	1 300	1 900	13 192	12 542	13 842	6 486	8 601
LIBYA	1 790	0	810	1 300	2 195	1 790	2 600	100	177
MOROCCO	2 200	0	0	0	2 200	2 200	2 200	654	2 049
NIGERIA	2 916	800	0	5 300	3 716	3 716	3 716	100	1 920
SOUTH AFRICA	12 275	0	90	6 000	12 320	12 275	12 365	7 546	5 884
ZIMBABWE	1 093	0	0	367	1 093	1 093	1 093	n.a.	n.a.
OTHERS	999	0	250	850	1 124	999	1 249	260	4 862
TOTAL	33 200	4 050	2 450	24 117	38 475	37 250	39 700	15 697	28 238

Note : Apparent consumption is in terms of crude steel.

Sources : OECD (for capacity) and the World Steel Association (for production and consumption)

ALGERIA

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
Alfapipe	Annaba (formerly Alfatus)	(120)	SAW x 2					
	Ghardaïa (formerly Anabib)		SAW					
<u>ArcelorMittal Annaba</u>	El Hadjar, Annaba	2260			(Unlikely)	P		SBB 18-May-11
		(1700)	BF x 2 LD x 6 EF LF CC (billet) x 4 CC (slab) x 2		DR		ArcelorMittal's Algerian subsidiary had earlier planned to double crude steel production in 2013. The management prepared a EUR 500m investment plan, which included re-opening blast furnace number 2, and constructing a new coke plant. After that, Annaba aims to launch a second phase of the investment including building a DRI plant.	
		(850)	STR x 2					
		(1800)	Hot					
		(1050)	Cold					
		(90)	Tin plate					
		(300)	HGL x 2					
		(700)	SMLS					

Economy: **ALGERIA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Cevital</u>	Bellara			(2000) (Unlikely)	DR (2000) Steelmkg (3500) STR	2014 (1st phase)		Cevital is planning to build a new steelworks in the country, which could boost domestic capacity significantly and make the country a large international exporter. The company will invest USD 3.8bn in a new works in Bellara, which will be able to produce as much as 7.1m tpy. Cevital's project is expected to involve a DRI plant. The first stage of work may be scheduled for completion in 2014, when the Algerian government expects capacity to increase by 2m tpy of crude steel and 3.5m tpy of long products.	SBB 03-Dec-10 SBB 07-Jul-11
<u>EZZ Steel</u>	New steel mill project in Jijel			(3000) (Unlikely)	DR EF STR WR	P		Egyptian producer Ezz Steel is planning to build a 3 million tpy rebar and wire rod mill in two stages. The first stage includes a 1.65 million tpy direct reduced iron (DRI) plant and rolling mills with capacity to produce 1.5 million tpy of rebar and wire. In the second stage, a DRI plant of the same capacity would be added and finished product output ramped up to 3 million tpy.	SBB 02-Sep-10 SBB 30-Jul-10 MB 01-Jun-10
<u>METAL SIDER</u>	Arbaa	345	(345) EF (300) STR x 2			P			

Economy: **ALGERIA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Qatar Mining</u>	Jijel			(2400) (Unlikely)		S	2016	The Algerian authorities are pushing forward with the construction of a new 5m tpy DRI-based steel mill in Jijel, Algeria, in partnership with Qatar Steel. The steelmaker is taking a 24.5% equity stake in the new works, which will possess two 2.4m tpy DRI-based steel melt shops and is expected to begin production after 2016.	SBB 10-Apr-12 SBB 16-Nov-11
<u>SNS</u>	La Macta (Oran)	30 (30)	OH CC STR	(2400) Steelmkg x 2	DR	P			
<u>Tosyali</u>	Oran			(1000) (Unlikely)			2015	The construction of the USD 500m new plant, which will be controlled by the Turkish company Tosyali, is expected to last for 30 months. The ground was broken on the construction of a new EAF-based mill in Oran, western Algeria, in early September 2011. The plant will have a 1m tpy crude steel capacity, focused mainly on light long products for the construction sector.	SBB 10-Oct-11 SBB 15-Aug-11

Economy: **EGYPT**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Al Ezz Steel Rebars (Ezz Steel)</u>								
	10th Ramadan plant					P		
	Alexandria	(400) 3000	WR STR					
		(3200) (3000)	DR x 3 EF x 5					
		(1800) (1000)	CC (tsc) CC (billet) Hot					
		(800) (900)	WR STR x 2					
	Sadat City	600						
		(600)	EF LF					
		(1000)	CC (billet) STR x 2					
	Suez flat steel plant	1200		1300 (Possible)			2012 Ezz Steel began production of rebar at its new mill at Ezz Flat Steel (EFS) in Sokhna-Suez at the beginning of 2012, but at the time of writing had not yet commissioned either the meltshop or the 1.9m tpy direct reduced iron plant at the site.	SBB 29-Jun-10 SBB 25-Apr-12
		(1200)	EF	(1900)	DR			
		(1200)	CC (tsc) Hot	(1300)	EF			
		(1100)	STR CC (billet)					

Egypt (2)

Economy:

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>ArcelorMittal DRI & billet plant project</u>	Northern Red Sea			(1400) (Unlikely)		P		
		140	(stainless steel)					
		(140)	LD					
		(140)	LF	(1600) DR				
		(140)	CC (billet)	(1400) EF				
		(100)	STR					
		(20)	WR					
<u>Arcosteel (The Arab Company for Special Steel)</u>								
	Sadat City	1200		1300 (Firm)		2012	Egyptian bar and wire rod producer Beshay Steel has invested in a new direct reduced iron plant at the company's Sadat City site. The investment includes a 1.3m tpy melt shop and 400,000 tpy bar and section mill. The new works, equipped with a 165t Siemens-VAI electric arc furnace, a 165t ladle furnace and a 6-strand billet caster, will eventually produce 1.3m tpy of bars and sections.	SBB 07-Mar-12
<u>Beshay Steel</u>								
	Sadat City	(1200)	EF	(1760) DR (MIDREX)				
		(2000)	STR x 3	(1300) EF				
				(1300) CC (billet)				
				(400) STR				
				LF				
<u>Delta Steel Mill Co</u>						S		
	Mostorod, Kaliubieh	160						
		(160)	EF x 3					
		(100)	LF					
		(120)	CC (billet)					
		(130)	STR					

Egypty: **EGYPT (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Egyptian Iron & Steel (Hadisob)</u>	El-Tebbin, Helwan	1272				S			
		(1500)	BF x 4						
		(1200)	LD x 3						
		(72)	EF x 2						
		(600)	CC (billet) x 3						
		(900)	CC (slab) x 4						
		(240)	BLM						
		(420)	STR x 4						
		(95)	Plate						
		(650)	Hot						
		(260)	Cold x 2						
<u>Egyptian Steel (IIC)</u>	Beni Suef								
				500 (Firm)			2014	Steel sector investment group Egyptian Steel is constructing a new 500,000 tpy steelworks with a rebar mill in Beni Suef, south of Cairo on the bank of the Nile River, in partnership with an unnamed private investor from Qatar. The company, also known as IIC for Steel Plants Management, intends to commission a 500,000 tpy rebar mill at the site, with an electric arc furnace-based billet plant of the same capacity set to follow in January 2014.	SBB 27-Mar-12
				(500) EF					
				(500) CC (billet)					
				(500) STR					
<u>El-Nasr Steel Pipes & Fittings Co</u>	Cairo					S			
			ERW x 3						
			SAW x 3						

Economy: **EGYPT (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Kandil Steel</u>	Obour City					P		
			Cold HGL Pig					
<u>Kouta Steel Group (formerly Arab Steel Factory (ASF))</u>	10th of Ramadan City	400						
		(400)	EF					
		(400)	CC (billet)					
		(450)	STR					
<u>Misr Iron & Steel (Misco)</u>	6th of October City, Cairo							
		(75)	STR					
<u>Misr National Steel (Al Aftal)</u>	Suez					P		
<u>National Metal Industries Co</u>	Abou Zaabal					S		
		280						
		(280)	EF					
			OH					
			STR x 3					

Economy: **EGYPT (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>National Port Said Steel</u>	Port Said					P			SBB 27-Mar-12
		(400)	STR x 2	(250)	250 (Firm) EF CC (billet) STR		2014	National Port Said Company is installing a 250,000 tpy EAF-based billet plant and rebar mill of the same capacity at its Port Said site, currently operating as a smaller rebar rolling mill. The revamped rebar mill is expected to have begun production in December 2013, while the billet plant is scheduled to come on line in April 2014.	
<u>Suez Steel Co</u>	Adabiya, Suez	600		1200 (Firm)		P			SBB 05-Oct-09 SBB 19-Aug-11 MB 11-Aug-11
		(600)	EF	(1950)	DR		2012	Egypt's Suez Steel has invested in a second melting plant with 1.2m tpy capacity of billets and a 1,95m tpy direct reduction plant in Suez. The company inaugurated a 400,000 tpy rebar rolling line in 2011.	
		(600)	LF	(1200)	EF				
		(600)	CC (billet)	(1200)	CC (billet)				
		(810)	STR						
<u>Taybah Steel</u>	Gamasa, Elmansoura	450							SBB 20-Jan-11
		(450)	EF					Taybah Steel, in Gamasa, Elmansoura city, has installed a new billet plant from the Turkish equipment supplier CVS Machinery. The capacity of the meltshop is 450,000 tpy. The new plant includes a 60-tonne electric arc furnace and 4-strand continuous caster.	
			CC (billet)						
<u>The Egyptian Copper Works</u>	Alexandria	130				S			
		(130)	EF						
		(130)	CC (billet)						
		(70)	STR						

Economy: **EGYPT (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>The Hatem El-Hawary Group</u>						P		
Alexandria Steel Melting Co								
Alexandria Steel Works			EF					
Sadat City Steel Co		(200)	WR					
		(80)	STR					
<u>Tiba</u>								
	Billet plant project				(500) (Unlikely)			
					(500) Steelmkg			
					(500) CC (billet)			

Economy: **LIBYA**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>The Libyan Iron and Steel Co.(LISCO)</u>	Misurata	1790		810 (Possible)		S	2011-12	The Libyan Iron & Steel Company (Lisco) aims to raise output to 4mt by 2015. The project includes a new rebar mill, with a capacity of 800,000 tpy and investments to expand the cold mills capacity by 200,000 tpy.	SBB 07-Oct-10 SBB 11-Apr-12
		(1750)	DR (MIDREX) x 3	(810)	EF				
		(1790)	EF x 6	(810)	CC (billet)				
			CC (billet) x 2	(800)	STR				
		(611)	CC (bloom)	(200)	Cold				
		(120)	CC (slab) x 2						
		(800)	STR						
		(580)	WR						
		(154)	Hot						
		(80)	Cold						
second expansion project		(40)	HGL						
			Ptg						
				(1300) (Unlikely)			2015	As noted above, Libyan Iron & Steel Co (Lisco) aims to raise output to 4mt during project's second phase by 2015. The centrepiece of the second phase expansion is a new direct reduced iron plant and a billet and bloom plant. The DRI module will have a capacity of about 1.8m tpy, and the steel plant with a 150t EAF, 150t ladle furnace and a caster to produce 1.3m tpy of billets and blooms. Lisco is also seeking to expand its existing slab capacity from 610,000 tpy to 1.1m tpy by installing two ladle furnaces and a new caster. It also plans to increase its hot strip mill capacity from 580,000 tpy to 990,000 tpy.	SBB 06-Oct-10
				(1800) DR					
				(1300) EF					

Economy: **MOROCCO**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Longofer</u>	Casablanca		ERW					
<u>Maghreb Steel</u>	Casablanca	1000					The Moroccan-based flat steel producer, Maghreb Steel started production of its new electric arc furnace in October 2011 near Casablanca. In October 2011, the company also launched the start-up of its heavy plate line, with a nameplate capacity of 0.5m tpy.	SBB 15-Feb-12
		(1000)	EF					
			LF					
		(1000)	CC (slab)					
		(1000)	Hot					
		(500)	Plate					
		(400)	Cold x 2					
		(230)	HGL x 2					
		(30)	P'g					
<u>Moroccan Iron Steel (MIS)</u>								
	Casablanca							
<u>SONASID (ArcelorMittal Group)</u>								
	Casablanca							
	Jorf Lasfar							
		(60)	STR					
		800						
		(800)	EF					
			LF					
		(800)	CC (billet)					
		(450)	STR					

Economy: **MOROCCO (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Nador	(600)	WR					SONASID's 600,000 tpy Nador mill can produce 5.5-16mm rebar and wire rod.	
<u>Univers Acier</u>	Casablanca	400				P		Moroccan rebar producer Univers Acier started up its own billet plant to feed its two rolling mills in 2010. The new scrap-based plant includes an electric arc furnace and a continuous caster.	SBB 15-Apr-10
<u>Ynna Steel</u>	Casablanca	(400)	STR	(400)	(Possible) STR	P	2012	Ynna Steel, part of the Chaabi Group, inaugurated its new rebar facility in Morocco in 2010. The new mill, located in Berrechid, has a capacity of 400,000 tpy of rebar, which the company planned to double to 800,000 tpy by 2012.	SBB 30-Jul-10

Economy: **NIGERIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>African Steel Mills Nigeria Ltd</u>	Ikorodu, Lagos	200				P			
		(200)	IF						
		(200)	STR						
<u>Ajaokuta Steel Co Ltd</u>	Ajaokuta City, Kwara State	1300		(3900)	(3900) (Unlikely)	S		The Ukrainian company Reprom has presented a business plan for the restoration of the long-idled Nigerian integrated steelworks Ajaokuta Steel Company (ASC). The government plans to achieve 1.3m tpy production, ramping up to 2.6m and 5.2m tpy. ASC will eventually produce pellets, direct-reduced iron, flat products.	SBB 29-Jul-11 SBB 05-Jul-12
		(1300)	BF	(3900)	Steelmkg				
		(1300)	LD		DR				
			CC (bloom)						
			BTM						
		(960)	STR x 2						
		(130)	WR						
<u>ArcelorMittal Calabar</u>	Cross River state				(Possible)	P			
<u>Dana Steel Ltd</u>	Katsina	180		(300)	SAW	P			
		(180)	BTM						
		(180)	IF						
		(207)	STR						

Economy: **NIGERIA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Delta Steel Co Ltd</u>	Aladja, Warri	1000		(1400) (Unlikely)		S	2015 Nigeria's Delta Steel Company has announced plans to increase its steel making capacity, which will reach 2.4m tpy by 2015.	SBB 30-Jun-11 SBB 05-Feb-10
		(1020)	DR (MIDREX) x 2	(1400)	Steelmkg			
		(1000)	EF x 4					
		(960)	CC (billet) x 3					
		(300)	STR					
<u>Federated Steel Mills</u>	Ota	40				P		
		(40)	EF					
		(140)	STR					
<u>General Steel Mill</u>	Asaba	14				P		
		(14)	EF					
		(50)	STR					
<u>Hoesch Pipe Mills (Nigeria) Ltd</u>	Ikeja, Lagos					P		
		(83)	ERW x 2					
<u>Integrated Steel (formerly Oshogbo Steel Rolling Co Ltd.)</u>						P		
		(207)	STR					

Economy: **NIGERIA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Jiangsu Yulong Steel Pipe</u>	New pipe plant				(Firm)	2012	One of eastern China's major welded linepipe makers, Jiangsu Yulong Steel Pipe, was building the first longitudinal submerged arc welded (LSAW) pipe mill in Nigeria. The new plant's production capacity is 250,000 tpy.	SBB 17-Feb-11
<u>Nigerian Spanish Engineering</u>	Kano	72						
		(72)	EF		(250) SAW			
		(188)	STR					
<u>Others</u>		60						
<u>SCC Nigeria</u>								
		(100)	SAW					
<u>Universal Steels Ltd</u>	Ikeja	50						
		(50)	EF					
		(80)	CC (billet)					
		(80)	STR					
<u>Western Metal Products Company (WEMPCO)</u>	New steel mill in Ogun					2011-12	A new steel mill in Nigeria owned by the Chinese firm Western Metal Products Company (WEMPCO) is located in Ogun state and has a capacity of 800,000 tpy.	SBB 14-Oct-10
					800 (Firm)			
					(800) Steelmkg			

Economy: **NIGERIA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
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Zuma Steel West Africa Ltd (formerly Jos Steel Rolling Co Ltd)

Jos, Plateau State

P

(210) STR

Economy: SOUTH AFRICA

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
<u>Afripalm Resources</u>								
	New steel plant (Jv with SAIL)			(3000)	(Unlikely)	2017	The South African firm Afripalm Resources plans to build a ZAR 2.1bn steel plant in a joint venture with Steel Authority of India (SAIL). The plant would have production of 3-5m tpy and take around six years to build.	SBB 24-Feb-11 SBB 23-Dec-10
				(3000)	Steelmkg			
<u>Agri-Steels</u>								
	Coega industrial development zone			90	(Possible)	2011-12	A new steelworks project to produce billet in the Coega industrial development zone by Agri-Steels, will be able to produce 90,000 tpy. The second phase of the project is to be completed within five years of construction and will reach 180,000 tpy.	SBB 04-Nov-10 SBB 28-Jan-08
				(90)	Steelmkg			
<u>ArceIorMittal South Africa (formerly Iscor)</u>								
	Newcastle Works	2800						
		(1825)	BF					
		(2800)	LD x 3					
			LF x 2					
		(2100)	CC (bloom) x 3					
		(1600)	BTM					
		(700)	STR x 2					
		(620)	WR					
		1200						
	Saldanha Works							
		(800)	DR (MIDREX)					
		(650)	Corex					
		(1200)	EF					
			CC (isc)					
		(1200)	Hot					

P

SOUTH AFRICA (2)

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Vanderbijlpark Works	4440						
		(940)	DR (SLRN) x 6					
		(3360)	BF x 2					
		(3000)	LD x 3					
		(1440)	EF x 3					
			LF x 2					
		(4680)	CC (slab) x 3					
		(480)	Plate					
		(3600)	Hot					
		(1704)	Cold x 2					
		(259)	Tin plate					
		(628)	HGL x 3					
		(140)	EGL					
		(108)	Ptg					
	Vereeniging Works	370						
			(special steel)					
		(130)	DR					
		(370)	EF					
			LF x 2					
		(350)	CC (billet)					
		(225)	STR x 3					
		(85)	SMLS					
	<u>Cape Town Iron & Steel Works (Pty) Ltd (Cisco)</u>							P
	Cape	280						
		(280)	EF					
			LF					
			CC (billet)					
		(140)	STR					

SOUTH AFRICA (3)

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Columbus Stainless Pty Ltd (Acerinox Group)</u>						P			
	Middelburg, Mpumalanga	1000							
		(1000)	(stainless steel) EF AOD x 2 CC (slab) Hot Cold (strn) x 3						
<u>Davsteel, Division of Cape Gate (Pty) Ltd</u>									
	Vanderbijlpark	485							
		(485)	EF						
		(485)	CC (billet)						
		(280)	WR						
		(180)	STR					The DR plant was commissioned in 1985.	
	Zonderwater								
		(40)	DR						
<u>Duferco Steel Processing Ltd</u>						S/P			
	Saldanha Bay								
		(420)	Cold x 2						
		(300)	HGL					Duferco Steel Processing Ltd (DSP) is a 50/50 joint venture between Swiss trader, Duferco, and the Industrial Development Corp (IDC) of South Africa. The company commissioned a cold-rolling line and a galvanizing line in May 1999.	
<u>Dunswart</u>									
	Benoni								
		(150)	DR (Codir)					Started up in 1973.	

Economy: **SOUTH AFRICA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hall Longmore</u> Wadeville, Germiston & Duncanville, Vereeniging			ERW SAW			P			
<u>Highveld Steel & Vanadium Corp (Evraz Group)</u> Witbank		1000	Pre-Reduct (1000) DR (SLRN) (1000) LD x 3 LF x 2 CC (billet) CC (bloom) x 2 CC (slab) (350) STR (475) Plate Hot			P			
<u>Industrial Development Corp</u> New steel mill project at Coega or in Mozambique						S		(3000) (Unlikely)	
<u>Microsteel (Pty) Ltd</u> Kwazulu Natal			(stainless steel) (100) IF x 2 (100) AOD (100) CC (billet)		(3000) Steelmkg				The plant was mothballed in 1998.

Economy: SOUTH AFRICA (5)

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>New DRI plant JV (Palamin, IDC and IMBS JV)</u>	Phalaborwa				(Firm) (50) DR	S/P 2011-12	A new direct reduced iron plant was built in South Africa under a joint venture between the Palabora Mining Co (Palamin, part of the Rio Tinto group), the governmental Industrial Development Corporation of South Africa (IDC) and Iron Mineral Beneficiation Services (IMBS). Initial capacity will be 50,000 tpy. The first module was expected to have been completed by the end of 2011, moving to 500,000 tpy by the end of 2013. Maximum capacity is expected to reach 2m tpy but is reliant on the further development of infrastructure, and at the moment it is capable of taking only 500,000 tpy.	SBB 11-Jun-10 NET
<u>Robor (Pty) Ltd</u>	Gauteng	(200)	ERW			P		
<u>SA Steelworks (SA Metal Group)</u>	Cape town	100				P		
		(100)	IF x 2					
		(100)	CC (billet)					
<u>Safal Steel</u>	Cato Ridge	(150)	Cold			P		
		(150)	HGL					

Economy: **SOUTH AFRICA (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Scaw Metals</u>	Dinwiddie, Germiston	600				P		Anglo American has announced its sale of integrated steelmaker Scaw South Africa to an investment consortium for ZAR 3.4bn on a debt and cash free basis. This deal is the final part of Anglo's divestment of the USD 1.4 billion Scaw Metals Group, which saw the sale of Moly-Cop and AltaSteel to Onesteel in December 2010 for a total consideration of USD 932m. The consortium, led by the Industrial Development Corporation of South Africa (IDC), consists of Izingwe Holdings, Shanduka Resources and the Southern Palace Group of Companies, the latter three being Anglo American's partners in Scaw South Africa.	SBB 25-Apr-12
		(320)	DR x 3						
		(600)	EF						
			LF						
		(600)	CC (billet)						
		(150)	STR x 2						
		(300)	WR						

Economy: **ZIMBABWE**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Lancashire Steel (Pvt) Ltd</u>	<u>Kwekwe</u>	(48)	WR						
<u>NewZimSteel (formerly ZISCO)</u>	<u>Redcliff</u>	833		(367)	(Unlikely)	S	2015	Indian steelmaker Essar and the Zimbabwe government have finalised plans to revive the idle Zisco steelworks, expand production, and develop iron ore resources for export. Essar has a long-term vision of reaching 2.5m tpy capacity at the steelworks and may invest over USD 4bn to accomplish it. NewZim Steel (NZS), owned 40% by the government and 60% by Essar, will acquire Zisco's assets. In a first phase it will spend USD 115m to refurbish the plant over 12-18 months to reach 500,000 tpy capacity. A second phase will see investment of USD 275m over three years to reach 1.2m tpy capacity; this will include a new power plant and oxygen plant.	SBB 04-Aug-11
		(900)	BF x 2		(367)				
		(833)	LD x 2		Steelmkg				
		(983)	CC (billet) x 2		STR				
		(650)	BLM						
		(550)	BTM						
		(145)	STR x 2						
		(160)	WR						
<u>Steel Corp of Africa</u>	<u>Redcliff</u>	60				P			
		(60)	IF						
		(60)	LF						
		(60)	CC						
		(60)	STR						

Economy: **ZIMBABWE (2)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Steelmakers Zimbabwe (Pvt) Ltd</u>								
	Redcliff	200				P		
		(200)	EF x 2 CC					
		(100)	STR x 4					
	Sponge Iron Plant at Masvingo	(54)	DR (Codir)					

Economy: **OTHERS**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
CONGO (DRC)								
<u>Sosteel (Sosider - Société Sidérurgique de Maluku)</u>	Maluku, Kinshasa	100				S/P		
		(100)	EF					
		(100)	CC (billet) STR					
COTE D'IVOIRE								
<u>Sotaci - Société de Transformation de l'Acier en Côte d'Ivoire</u>	Abidjan							
		(15)	ERW					
ETHIOPIA								
<u>Abyssinia Integrated Steel Plc</u>	Debre Zeit	60				P		
		(60)	Steelmkg					
		(60)	STR					
<u>Akaki Metal Products Factory</u>	Akaki							
		(22)	HGL					
<u>Ethiopia Steel Smelting Enterprise</u>	Akaki	7				S		
		(7)	EF					
		(7)	STR					

Economy: **OTHERS (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Sheba Steel Mills</u>	Bishoftou	105				P			
		(105)	Steelmkg						
		(105)	CC						
			STR						
<u>Walia Steel Industry</u>	Oromiya Region	(76)	STR x 2			P		Walia Steel Industry has the capacity to produce 40,000 tonnes reinforcement bar and 36,000 tonnes of hollow section profile. The factory began production in August 2006.	NET 22-Oct-08
<u>Zuqalla Steel Rolling Mill</u>	Debre Zeit								
GHANA		(36)	STR						
<u>Ferro Fabrik</u>	Tema	30							
		(30)	EF						
			STR						
<u>Ghana Iron & Steel Co (Gisco)</u>	Tema JV				(Unlikely)	P	2007-08		
					(75)				HGL
					(250)				Cold

Economy: **OTHERS (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Tema Steelworks</u>	Tema	30				S/P			
		(30)	EF x 2 IF x 2						
		(75)	CC (billet)						
		(26)	STR x 2						
<u>Wahome Steel Ltd</u>	Tema	72						Wahome Steel is the largest steelmaking plant in western Africa. Established in May 1987, it has the capacity to produce about 6,000 tonnes of steel billets a month, from which reinforcing bar, nails and angle bars are manufactured for the construction industry.	AMM 23-Feb-07
		(72)	EF						
		(72)	CC (billet)						
			STR x 2						
<u>Western Steel & Forging</u>	Kpone	60							
		(60)	EF						
		(72)	STR						
KENYA									
<u>Corrugated Sheets Ltd</u>	Mombasa					P			
		(50)	HGL x 2 Ptg STR ERW						

Economy: **OTHERS (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Devki Steel Mills Ltd</u>	Nairobi		SLM Plate (12) STR (24) WR (12) ERW (12) SMLS					
	New Steelworks project phase ¹			250 (Possible)		2012	Kenyan steel producer Devki Group was building a new steelworks, including a blast furnace, in the country's Taita-Taveta county. The project will cost 36bn KES and work on construction started in February 2011. The plant's capacity is 250,000 tpy of billet and hot rolled coil in the first stage, reaching full capacity of 1m tpy by mid-2014.	SBB 22-Nov-10
	New Steelworks project phase ²			(250) BF (250) LD (750) (Unlikely)		2014		SBB 22-Nov-10
<u>Doshi Enterprises Ltd</u>	Mombasa				BF (750) LD (750) CC (slab) Hot			
<u>Emco Billets (formerly Steel Billet Casting Ltd.)</u>	Nairobi		(30) ERW					
			20					
			EF CC					

Economy: **OTHERS (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Galsheet Kenya Ltd</u>	Nairobi & Mombasa					P		Mabati Rolling Mill was originally incorporated as Mabati Ltd in 1961 when its first galvanizing plant was commissioned. The company's cold rolling mill at Mariakani was commissioned in 1982.	HP
<u>Insteel Ltd</u>	Nairobi	(40) (30)	HGL P'tg			P			
<u>Kenya United Steel Co Ltd (KUSCO)</u>	Mombasa	(45)	ERW x 3			P		The continuous caster was installed in 1997.	
<u>Mabati Rolling Mills Ltd</u>	Mariakani	(20) (30)	EF CC STR			P			
<u>Standard Rolling Mills</u>	Mombasa	(120) (80) (35)	Cold HGL P'tg			P			
<u>Steel Africa Ltd</u>	Mombasa	(80)	Cold						
			HGL						

Economy: **OTHERS (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
MAURITIUS									
<u>Consolidated Steel Ltd</u>	Port Louis	(85)	STR						
<u>Desbro International Ltd</u>	Port Louis		STR						
<u>Samlo Koyenco Steel Co Ltd</u>	Midlands	12							
		(12)	IF						
		(12)	STR						
MOZAMBIQUE									
<u>ArcelorMittal South Africa</u>	Maputo					P			
		(35)	STR						
<u>Capital Star Steel</u>	Beluluane free zone	(200)	ERW						HP SBB 28-Jul-09

Capital Star Steel emerged from a joint venture between the South African company Capital Africa Steel (Pty) Ltd and the Chinese Seven Star Group. The company inaugurated a 200,000 tpy electric resistance welded (ERW) pipe mill in Mozambique on 24 July 2009. Construction started in March 2008 in Maputo province, the capital of Mozambique, with the project costing about USD 37 million.

Economy: **OTHERS (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Cia Industrial de Fundicao e Laminagen Sarl</u>									
			DR EF CC WR STR					The company purchased and relocated a disused production plant from a steelworks in Spain. The plant includes a 70t electric arc furnace and a 4-strand Daniell continuous caster.	MB 16-Nov-95
SUDAN									
<u>Al Asaad Steel</u>	Khartoum	(200)	STR						
<u>Sudan Master Technology</u>									
	Giad Industrial City, Khartoum	60							
		(60)	EF CC (billet)						
		(150)	STR						
		(140)	ERW x 3						
<u>Sudanese Malaysian Factory for Steel Industry</u>									
	Khartoum				(Possible)			Khartoum based Sudanese Malaysian Factory for Steel Industries was earlier reported to have plans to expand capacity to produce 100,000 tpy of rebar steel to meet local demand.	NET 27-Apr-09
			Rolling ERW	(100)	STR				

Economy: **OTHERS (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Sudanese Steel Products</u>	Khartoum	(150) (20)	STR HGL					
TANZANIA								
<u>Aluminium Africa Ltd</u>	Dar es Salaam	(33) (15)	Cold HGL ERW					
<u>MM Integrated Steel Mills Ltd</u>	Dar es Salaam							
<u>Sita Steel Rollings Ltd</u>	Dar es Salaam	(36)	STR ERW HGL					
TOGO		(14)	ERW					
<u>Amexfield Togo Steel (formerly Société Togolaise de Sidérurgie)</u>	Lomé	(20)	STR Cold			P	The private company funded by US, UK and Indian interests purchased the old government steel works, Togolaise de Sidérurgie, in 1994.	

Economy: **OTHERS (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
TUNISIA									
<u>El fouladh, Sté Tunisienne de Sidérurgie</u>	Menzel Bourguiba	200				S		Tunisian long products maker El Fouladh started up its second electric arc furnace in July 2009. The new 20-tonne furnace has a capacity of 100,000 tpy, taking the works' total crude steelmaking capacity to 200,000 tpy. It sources scrap for its two furnaces from within Tunisia. El Fouladh is considering in the future building a second meltshop, including a third EAF, perhaps 60 or 100 t in heat size, and a continuous billet caster.	SBB 22-Jul-09
		(200)	EF x 2 LF		EF CC (billet)				
		(220)	CC (billet) x 3						
		(130)	STR						
		(75)	WR						
<u>Intermetal</u>	Rades	(300)	STR			P			
<u>Sacinox</u>	Bir Mcherga				(Unlikely)			A subsidiary of the Mokhtar Groupe is drawing up plans to build a new billet plant in the north of Tunisia. Sacinox has identified Bir Mcherga, in the north of the country, as the preferred location for the plant.	SBB 11-Nov-10 SBB 21-Jan-11
<u>Sidenor (Sté des Acéries de Tunisie)</u>	Bir Mcherga	(200)	STR		Steelmkg CC (billet)				
<u>Société Métallurgique du Centre (SMC)</u>	Menzel Harb				(Unlikely)				
		(220)	STR		(110) STR				

Economy: **OTHERS (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Tunisacier SA (Riva Group)</u>	Bizerte					P		
		(300)	Cold					
		(140)	HGL					
		(60)	EGL					
UGANDA								
<u>BM Technical Services</u>	Kilembe	4						
		(4)	IF					
		(5)	STR					
<u>New blast furnace project</u>	Kasenyi region				(Unlikely)		Several years ago, the Ugandan Investment Authority was looking for an investor to establish a blast furnace in the Kasenyi region of the country to supply the steelmaking industry. Kasenyi's hematite deposits have proven reserves of 4.6 million tonnes, with potential reserves in the area estimated at 50 million tonnes. The new project could be a joint venture with local investors, or could be fully owned by foreign investors. Uganda consumes around 80,000 tpy of steel, but produces only 7,000 tonnes.	MB 22-Jul-09
<u>Roofings Ltd</u>	Kampala	(60)	ERW	(12)	(Unlikely)	P	Roofings Ltd plans to add additional capacity of manufacturing electro-welded tubes (12,000 tonnes).	ISWW

Economy: **OTHERS (11)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Sembule Steel Mills Ltd</u>	Kampala	(10)	STR					
<u>Steel Corporation of East Africa Ltd</u>	Jinja	24						
		(24)	EF					
		(50)	CC (billet)					
		(30)	STR					
<u>Steel Rolling Mills Ltd</u>	Jinja	70				P		
		(21)	EF					
			IF x 2					
			CC (billet)					
		(50)	STR x 3					
<u>Tembo Steels Ltd</u>	Iganga	12						
		(12)	EF					
		(10)	STR					
		9						
	Lugazi	(9)	IF x 2					
		(9)	STR					
<u>Uganda Baati Ltd (Safal Group)</u>	Kampala	(28)	HGL			P		

Economy: **OTHERS (12)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>UGMA Engineering Corp</u>	Lugazi	4	(special steel) (4) IF (2) STR					
ZAMBIA								
<u>Art (Art Engineering)</u>	Ndola	(20)	STR			P	Art is a joint venture between Zambia's Art Engineering and Mombasa-based Kenya United Steel Co (Kusco).	
<u>Universal Mining & Chemical Industries Ltd</u>	Kafue	100			(100) (Unlikely)			
		(100)	EF STR		DR (100) EF STR			

ASIA

Thousand tonnes per year

Economy	Nominal capacity										Crude steel production 2011	Apparent consumption 2011
	Exist 2011		Increase to 2014			Capacity in 2014						
	Firm	Possible	Unlikely	Mean	Low	High						
CHINA	863 270	11 400	55 028	1 001 340	995 640	1 007 040	683 883	649 850				
OTHER ASIA	167 226	9 450	315 330	217 656	212 931	222 381	115 610	167 804				
CHINESE TAIPEI	26 605	600	0	28 905	28 605	29 205	20 178	21 717				
INDIA	88 800	7 150	258 030	123 680	120 105	127 255	73 590	73 671				
INDONESIA	6 580	1 200	15 400	10 180	9 580	10 780	3 621	13 148				
MALAYSIA	9 910	0	3 200	10 660	10 660	10 660	5 941	9 578				
PAKISTAN	3 870	0	3 900	4 070	4 070	4 070	850	2 531				
PHILIPPINES	1 815	0	4 000	2 415	2 415	2 415	1 200	5 940				
THAILAND	8 990	0	10 350	9 240	8 990	9 490	4 238	17 038				
VIET NAM	6 890	0	16 950	14 540	14 540	14 540	4 900	12 112				
OTHERS	13 766	0	3 500	13 966	13 966	13 966	1 092	12 069				
TOTAL	1 030 496	20 850	370 358	1 218 996	1 208 571	1 229 421	799 493	817 654				

Note: Apparent consumption is in terms of crude steel.

Sources: OECD (for capacity) and the World Steel Association (for production and consumption)

Economy: **CHINA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Anhui Jinguang Steel Works</u>	Chongqu	40				S			
		(40)	EF						
		(200)	STR						
<u>ANSC-TKS Galvanizing Co Ltd (Tagal)</u>	Chongqing				(Unlikely)			Tagal, a 50:50 joint venture between ThyssenKrupp Steel and Anshan Iron & Steel (Angang), signed an agreement with the management committee of Liangjiang New Area in southwest China's Chongqing municipality on 24 September 2011 to build an auto sheet plant in the area. Tagal planned to construct a hot-dip galvanizing line during the first stage and add a cold strip mill during the second phase of the Chongqing works.	SBB 28-Sep-11 SBB 27-Jul-10
				(400)	HGL Cold				
<u>Anshan & Kobe JV</u>	Dalian	(850)	HGL x 2		(Unlikely)			Kobe Steel has taken its first tentative step towards establishing an automotive sheets venture in China. The company announced that in Anshan in north China's Liaoning province, it signed a nonbinding LOI with Anshan Iron & Steel Group (Angang) to jointly study setting up a joint venture to make cold rolled advanced high strength steel (AHSS) sheet used in automobiles. Kobe Steel says the project's broad outline calls for the installation of a continuous annealing line to make AHSS of 590 Mpa or higher. At its Kakogawa works in western Japan, Kobe makes AHSS sheets up to 980 Mpa.	SBB 28-Sep-11
	Automotive sheets JV				CAPL				

Economy: **CHINA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Anshan & Lingyuan HR project JV</u>	Chaoyang, Liaoning	2050				S		Anshan Iron & Steel Group (Angang Group) and Lingyuan Iron & Steel (Lingyuan), both located in northern China's Liaoning province, put their 2m tpy integrated flat steel joint venture on trial. The works is located in Liaoning province's Chaoyang city. It houses one 2,600 cubic metre blast furnace, two 120t converters, two slab casters and one 1,700mm hot strip mill with a capacity of 2m tpy.	SBB 22-Nov-10
		(2000)	BF						
		(2050)	LD x 2						
		(2100)	CC (slab) x 2						
		(2000)	Hot						
<u>Anshan Baode Iron and Steel Co Ltd</u>	Anshan, Liaoning	2400							
		(2200)	BF						
		(2400)	LD						
		(1200)	CC (billet)						
		(700)	STR						
		(500)	WR						
<u>Anshan Iron & Steel Group Co (Angang Group)</u>						S			
Angang Cold Rolled Steel		(1000)	Cold						
Sheets (Putian) Co Ltd		(400)	HGL x 2						

Economy: **CHINA (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Anshan, Liaoning	15750						In 2011, China's Ministry of Industry and Information Technology (MIIT) granted approval for the merger of Anshan Iron & Steel (Angang) and Fujian's Sangang Group. Sangang is indirectly owned by the State-owned Assets Supervision and Administration Commission of south-eastern China's Fujian province through the commission's subsidiary Fujian Metallurgical Holding Company. Currently, Angang has a crude steel capacity of around 33m tpy, while Sangang has about 6m tpy of crude capacity.	SBB 23-Jun-11
		(17290)	BF x 8						
		(15750)	LD x 11						
		(9400)	LF x 7						
		(1500)	CC (billet) x 2						
		(800)	CC (bloom)						
		(12400)	CC (slab) x 7						
		(2550)	STR x 4						
		(1600)	WR x 2						
		(1450)	Plate x 2						
		(11200)	Hot x 3						
		(6150)	Cold x 4						
			Silicon x 3						
		(1600)	HGL x 4						
		(300)	Ptg x 2						
		(470)	SMLS x 4						
		6500							
	Bayuquan-yingkou, Liaoning							Angang commenced steel production at its 6.5 million tpy greenfield Bayuquan works in September 2008, focusing on flat rolled products.	SBB 05-Jun-13
		(6600)	BF x 2						
		(6500)	LD x 3						
		(6000)	LF x 3						
		(5724)	CC (slab) x 3						
		(2000)	Plate						
		(3500)	Hot						
		(1000)	Cold						
	Ningde, Fujian							Given concerns over overcapacity, Anshan Iron & Steel (Angang) had decided to put its expansion plan in Ningde city in the southeastern Chinese province of Fujian on hold. Angang had planned a 10m tpy greenfield project in Ningde.	SBB 17-May-12
				(10000)	(Unlikely)				
				(10000)	Steelmkg				

Economy: **CHINA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Anyang Iron & Steel Group Co Ltd</u>	Anyang, Henan	10000			(Firm)	S	2013	The cold strip mill, with a width of 1,550mm, will have a capacity of 1.5m tpy. Construction is expected to take at least one year. Hot band feeds will be sourced from Anyang's 1,780mm hot strip mill that was commissioned in 2007.	SBB 03-May-11 SBB 30-May-11
		(9250)	BF x 8	(1500)	Cold				
		(10000)	LD x 4	(400)	HGL				
		(700)	EF	(150)	Ptg				
		(1900)	LF						
		(1550)	CC (billet) x 3						
		(6000)	CC (slab) x 5						
		(750)	STR						
		(700)	WR						
		(1660)	Plate x 2						
<u>Anyang Xinpu Iron & Steel</u>	Anyang, Henan	900			(Firm)	P	2012	Anyang Xinpu Iron and Steel Co. (Xinpu Steel) announced that it expected its new steel bar project with an annual output capacity of 800,000 tpy to be commissioned in August 2012. The project was expected to cost a total investment of RMB 300 million. The plant will produce rebar and round bar.	SO 16-Feb-12 SBB 17-Jun-10
		(900)	BF x 2	(800)	STR				
		(900)	LD x 2						
		(600)	LF						
		(600)	WR						
<u>Anyang Yongxing Iron & Steel Co Ltd (Jiangsu Shagang Group.)</u>	Anyang, Henan	3000							
		(900)	BF x 2						
		(3000)	LD x 2						
		(4000)	CC (billet) x 4						
		(1600)	STR x 2						

Economy: **CHINA (5)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Baogang Wanteng Iron & Steel</u> Wuhai, Inner Mongolia	<u>(Baotou I&S & Huanghe Gongmao Group JV)</u>		WR	2000 (Firm) (2000) Steelmkg		S/P	2013	In late 2012, Baogang Wanteng Iron & Steel (51% owned by Baotou Steel) commissioned approximately 1 million tpy in integrated long product capacity. The company aims to double capacity to about 2 million tpy. The expansion was expected to come on-stream within 2013 at the earliest.	SBB 29-Jan-13
<u>Baoshan Iron & Steel Co Ltd</u> Baosteel Branch, Shanghai	<u>(Baosteel Group Corp)</u>	15000			(Firm)	S	2013	Baosteel has recently commissioned its third grain-oriented silicon steel mill at its Shanghai steelworks, adding another 100,000 tpy of GO silicon production capacity. With three equal-sized GO silicon steel mills, Baosteel currently operates 300,000 tpy of capacity for GO silicon sheet products. The company's second 100,000 tpy GO silicon mill achieved full production capacity about 16 months after it was commissioned in November 2011, while the first took about 19 months after its commissioning in May 2008.	SBB 31-Jul-13 SBB 02-Sep-11
		(14570) (14000) (1000) (1000) (8700) (500) (1800) (11900) (6770) (1140) (1000) (900) (500) (540) (300) (500) (550)	BF x 4 LD x 6 EF LF x 4 CC (billet) CC (slab) x 5 WR Plate Hot x 3 Cold x 5 Silicon x 5 HGL x 3 EGL x 3 Tin plate x 3 Ptg x 3 ERW SAW SMLS						

Economy: **CHINA (6)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Medium and Heavy Plate Branch (Shanghai Pudong Iron & Steel)		3000			(Unlikely)			Shanghai-based Baosteel had been considering relocating its No.1 Corex C:3000 iron making unit from Shanghai's Luojin	SBB 31-Mar-11
		(3000)	Corex x 2					integrated plate steelworks to its subsidiary	SBB 29-Aug-11
		(3000)	LD x 2					Bayi Iron & Steel in western China's Xinjiang	HP
		(1500)	LF			BF		Uyghur autonomous region. To replace the	
		(1500)	CC (slab)					Corex capacity at Luojin, Baosteel will build a new blast furnace of around 3,200 cubic metres.	
Special Steel Branch, Shanghai		1350							
		(1350)	(special steel) EF x 2						
		(500)	LF x 3						
		(600)	BLM						
		(350)	CC (billet) x 3						
		(650)	CC (bloom)						
		(165)	CC (slab) x 2						
		(23)	STR x 2						
		(3640)	WR						
			Hot						
			Cold						
			SMLS						
Stainless Steel Branch, Shanghai									
		(2600)	(stainless steel) BF x 2						
		(2200)	LD x 2						
		(1440)	EF x 2						
		(1720)	LF x 2						
		(3600)	CC (billet) x 3						
		(500)	CC (slab) x 5						
		(2820)	STR						
		(1680)	Hot						
			Cold x 2						

Economy: **CHINA (7)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Baosteel Group</u>	<u>Huangshi Color plate</u>							
	Hubei	(200) Cold						
		(150) HGL						
		(50) Ptg						
<u>Baosteel Group Xinjiang Bayi Iron & Steel Co Ltd</u>		8000			(Possible)	S	2014 Baosteel is considering relocating its 1.5m tpy No.1 Corex C3000 iron making unit from Shanghai's Luojin integrated plate steelworks to its subsidiary Xinjiang Bayi Iron & Steel in western China's Xinjiang Uyghur autonomous region.	SBB 02-Aug-12 SBB 09-Mar-12
	Urumqi, Xinjiang-uygur			(1500)	Corex			
		(6000) BF x 3						
		(6500) LD x 3						
		(1500) EF x 2						
		(1500) LF x 2						
		(700) CC (billet)						
		(800) CC (bloom)						
		(3700) CC (slab) x 3						
		(1000) STR x 2						
		(1000) WR x 2						
		(650) Plate						
		(3000) Hot						
		(800) Cold						
		(200) HGL						
<u>Xinjiang Bagang Nanjiang Steel Baicheng Co</u>								
		3000 (Firm)					2013 Xinjiang Bagang Nanjiang Steel Baicheng Co. (Nanjiang) commissioned its No.1 blast furnace on 28 March 2013. Construction at the Nanjiang project, which cost an estimated RMB 8.8 billion, commenced in August 2010 in the Nanjiang area. The new works hosts two 1,800 cubic meter blast furnaces, two 120 mt converters, two bar mills each with a capacity of 850,000 tpy capacity, one 600,000 tpy high-speed rod mill and a 500,000 tpy strip facility. In August 2013, the company commissioned a 600,000 metric tpy high-speed wire rod mill.	SBB 21-Aug-13 SBB 05-Apr-13
		(3000) BF x 2						
		(3000) LD x 2						
		(1700) CC (billet) x 2						
		(600) STR x 2						
		(500) WR						
		(500) Hot						

Economy: **CHINA (8)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Baosteel</u> <u>NSC/Arcelor Automotive Sheets Co Ltd</u>	Shanghai	(2200) (1250)	Cold HGL x 3					
<u>Baotou Iron & Steel Co</u>	Baotou, Inner Mongolia	11700		5000 (Possible)	5000 (Possible)	S	2013-14 Baotou Iron & Steel Group's (Baotou Steel) crude steelmaking capacity at the group's main operation in Baotou city is slightly over 10 million tpy. The company was expecting to bring on-stream a new 5 million tpy integrated flats steelworks at its main operation by the end of 2013. The new steelworks would include one 2,250 mm hot strip mill along with a downstream cold-rolling facility. Once the new capacities are commissioned, Baotou Steel's crude steel capacity will reach some 17-18 million tpy.	SBB 29-Jan-13
		(9380) (11700) (4200) (2470) (1800) (1520) (2800) (1700) (600) (1400) (2800) (1430) (420) (1600)	BF x 6 LD x 7 LF x 4 CC (billet) x 2 CC (bloom) x 2 CC (slab) CC (tsc) STR x 2 WR Plate Hot Cold HGL SMLS	(5000)	Steelmkg Hot Cold			
<u>Baotou Steel - General Steel Special Steel Pipe Joint Venture Co Ltd</u>	Baotou	(100)						SAW

Economy: **CHINA (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Beijing Shougang Co Ltd (Shougang Group)</u>	Shijingshan, Beijing	(400)	WR			S		Shougang closed its works in Beijing's downtown Shijingshan district in December 2010. The plant contained two 2,536 cubic metre blast furnaces, three 210-tonne converters, one 3m tpy high-speed wire rod mill and one 500,000 tpy bar mill. The closure of Shougang's downtown Beijing works was in compensation for building a 10m tpy integrated steel mill, known as Jingfang Iron & Steel, in Hebei province's Caofeidian port.	SBB 07-Dec-10 SBB 23-Nov-11
	Shunyi, Beijing	(1800) (850)	Cold HGL x 2						
<u>Beitai Iron & Steel (Group) Co Ltd (Beigang) (Benxi Iron & Steel Group.)</u>	Beiyang Iron & Steel (Benxi, Liaoning)	8000			(Firm)	S	2012	Beitai Iron & Steel, a core subsidiary of Benxi Iron & Steel (Bengang), planned to commission a new blast furnace around August 2012, adding about 2m tpy of ironmaking capacity. This new blast furnace is intended to fix Beitai's crude steel shortage problem. Beitai currently has about 8m tpy crude steel capacity.	SBB 27-Apr-12
		(8300) (8000) (2990) (1000) (4500) (2000) (1500) (4000)	BF x 11 LD x 7 CC (billet) x 2 CC (bloom) CC (slab) x 2 STR WR x 2 Hot	(2000)	BF				
<u>Benxi Iron & Steel Co Ltd (Anben Steel Group.)</u>	Bengang Stainless Steel	(200)	Cold (stn)		(800) (Unlikely) (stainless steel)	S	2015	Benxi Steel, a major carbon steel producer in China's Liaoning province, aims to build a new stainless steel production unit with capacity up to 800,000 tpy in the next few years.	MB 07-Sep-11

Economy: **CHINA (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Benxi, Liaoning	9700			(Unlikely)	2015	Northern China's Benxi Iron & Steel (Bengang) has begun construction of a new 2.2m tpy cold strip mill. Output will mainly target the high-end auto sheet sector as well as white goods manufacturing. The project should be finished by 2015.	SBB 12-Apr-12
		(9500)	BF x 4					
		(9700)	LD x 6	(2200)	Cold			
			LF x 2					
		(800)	CC (bloom)					
		(10500)	CC (slab) x 5					
		(10450)	Hot x 3					
		(1800)	Cold x 5					
		(550)	HGL x 2					
		(309)	EGL					
		(320)	Ptg x 2					
BX Steel POSCO Cold Rolled Sheet Co Ltd		(1900)	Cold					
		(800)	HGL					
<u>BlueScope Steel China</u>						P		
	Suzhou							
<u>Bohai NKK Drillpipe Co Ltd</u>		(250)	HGL					
	Gangzhou	(150)	Ptg			S/P		
		(16)	SMLS					

Economy: **CHINA (11)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Changchun Cold Rolled Steel Co Ltd</u>	Changchun, Jilin	(300) (100) (300)	CC STR Hot ERW					
<u>Changchun Iron & Steel Co</u>	Changchun, Jilin	200				S		
<u>Changzhou Wujin NatSteel</u>	Wujin, Jiangsu	270	(200) EF x 3 (200) BTM (200) STR			P		
<u>Changzhou Zhongtian Iron & Steel Co Ltd (Zenith Steel)</u>	Changzhou, Jiangsu	7000	(270) EF x 2 (270) CC (billet) (270) WR LF	5000 (Firm) (5000)	Steelmkg	P	2012 Headquartered in Changzhou city, Jiangsu, Zenith completed an expansion of its crude steel capacity in 2012. The expansion involved a series of technical upgrades which raised the company's capacity to 12 million tpy from the previous 7 million tpy.	SBB 05-Feb-13
			(special steel) BF x 6 LD EF CC (billet) STR x 2 WR x 3 Plate Hot					

Economy: **CHINA (12)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Chengde Iron & Steel Group Co Ltd (Hebei Steel Group)</u>								
	Chengde, Hebei	8000				S		
			BF x 7 LD x 8 CC (billet) x 5 CC (slab) STR x 3 WR x 2 Hot x 2					
		(8000)						
		(2400)						
		(1000)						
		(4000)						
<u>Chengdu Steel & Vanadium Co (Panzhihua Iron & Steel Group)</u>								
	Sichuan	1980				S		
		(1320)	BF x 4 LD x 3 EF CC (billet) x 6 CC (bloom) x 2 STR WR Cold x 2 HGL P'g					
		(1380)						
		(600)						
		(2050)						
		(600)						
		(450)						
		(500)						
		(500)						
		(300)						
		(100)						
<u>China Steels CR plant project</u>								
					(Unlikely)		Chinese Taipei's China Steel Corp. is aiming to build a new 120,000 tpy cold rolling mill for electrical steel sheet in mainland China.	CMN
				(120)	Cold			

Economy: **CHINA (13)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Chongqing Donghua Special Steel Co Ltd (formerly Chongqing Special Steel (Group) Co Ltd)</u>	Shuangbei, Chongqing	300				S		
		(300)	EF					
		(300)	CC (billet)					
		(200)	STR					
<u>Chongqing Iron & Steel (Group) Ltd (Chonggang.)</u>	Chongqing	6500			(Firm)	S		
		(5000)	BF x 3	(800)	STR	2012-13	A cold strip mill of around 2m tpy capacity was expected to be commissioned in 2013. An 800,000 tpy bar mill and a 540,000 tpy wire rod mill was brought on stream in 2012, to replace old bar and rod capacities totalling around 1m tpy.	SBB 16-May-11 SBB 18-May-11
		(6500)	LD x 3	(540)	WR			
		(200)	BLM	(2000)	Cold			
			CC					
		(450)	STR					
		(3500)	Hot					
		(400)	Cold					
			Silicon					
		(250)	HGL					
		(30)	SMLS					
	Finex Project			(3000)	(Unlikely)	2015	On September 22, 2013, China's Chongqing Iron & Steel (Chonggang) signed a memorandum of agreement (MOA) with Korea's POSCO to build a 3 million tpy integrated Finex steelworks at Chonggang's Changshou works in China. The unit will be the first Finex plant POSCO has built in China and would help give Chonggang an extra 3 million tpy of crude steel capacity. The two companies are also considering setting up a joint venture for the production of steel sheets for the automotive sector.	SBB 24-Sep-13 SO 23-Sep-13
				(3000)	DR x 2			
				(3000)	Steelmkg			
	Pig iron project in Jiangjin				(Unlikely)			
				(660)	BF			

Economy: **CHINA (14)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Dalian POSCO-CFM Coated Steel Co Ltd</u>	Dalian					S/P		
		(150)	Ptg					
		(150)	HGL					
<u>Datong Coal Mine Group</u>	Datong, Shanxi	1200						
		(1000)	BF					
		(1200)	LD					
		(1200)	CC (billet)					
<u>Dazhou Iron & Steel Group Co Ltd</u>	Dazhou, Sichuan	2800						
		(2750)	BF x 4					
		(2800)	LD					
		(2800)	CC (billet) x 2					
		(2600)	STR x 2					
<u>Delong Iron & Steel Co Ltd (Delong Holdings Limited)</u>	Xingtai, Hebei	3000				P		
		(3000)	BF x 3					
		(3000)	LD x 2					
		(3000)	CC					
		(3000)	Hot x 2					

Economy: **CHINA (15)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Dongbei Special Steel Group Co Ltd</u>									
Beiman Special Steel Co Ltd (Qiqihar, Heilongjiang)		1250	(special steel) EF LF			S		Dongbei Special Steel Group is China's largest special steels company formed in 2004 by the merger of three special steel plants, Beiman Special Steel, Dalian Steel and Fushun Special Steel in northeast China.	
		(850)	CC (billet)						
		(865)	STR						
		1520							
Dalian Jinniu Co Ltd (Dalian, Liaoning)		(1520)	(special steel) EF x 4 LF x 2					Dalian Special Steel's new works, located in Dalian city in northern China's Liaoning province, was officially launched on 11 July 2011. The commissioning marks the end of the company's four-year RMB 15.6bn relocation and upgrade project, which is targeted at trying to reduce pollution problems in the city.	SBB 14-Jul-11
		(500)	BTM						
		(500)	BLM						
		(300)	CC (billet)						
		(1340)	CC (bloom) x 2						
		(440)	STR x 2						
		(300)	WR						
		1200							
Fushun Special Steel Co Ltd (Fushun, Liaoning)		(1200)	(special steel) EF LF						
		(400)	BTM						
		(500)	CC (billet)						
		(590)	STR x 2						

Economy: **CHINA (16)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Echeng Iron & Steel Co Ltd (Wuhan Iron & Steel Group)</u>	Hubei	4100	(special steel) BF x 4 LD x 3 EF LF x 2 CC (billet) x 4 CC (bloom) CC (slab) STR x 3 WR Plate Hot					
<u>Fangda Special Steel Technology (formerly Nanchang Changli Iron & Steel)</u>	Nanchang, Jiangxi	2550						
<u>Fujian Fuxin Special Steel Co</u>	Zhangzhou, Fujian	(1520) (2150) (400) (700) (2550) (1400)	BF x 3 LD x 3 EF x 2 LF x 2 CC (billet) x 4 STR x 2		720 (Firm) (stainless) (720) EF (720) LF (800) CC (slab) (1600) Hot	2013	Fujian Fuxin Special Steel Co had been building a greenfield stainless steelworks in south-east China's Fujian province. Fuxin is a 50-50 joint venture jointly owned by Chinese Taipei conglomerate Formosa Plastics Group and Fujian Sangang Group. Fujian Fuxin Special Steel was expected to begin trial production at its 720,000 tpy stainless steel plant in March 2013.	NET 26-Feb-13 SBB 15-Jun-12

Economy: **CHINA (17)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Fujian Kaijing Steel Development Co</u>	Longhai, Fujian					P			
		(500)	Cold						
		(450)	HGL x 2						
		(150)	Ptg						
<u>Fujian Maweizhong Steelworks</u>		300							
		(300)	EF						
<u>Fujian Sansteel (Group) Co Ltd (Sangang)</u>		2000			(Possible)	S			
	Fujian Sanan Steel		BF x 2					Chinese longs producer Fujian Sanan Steel recently commissioned a 600,000 tpy bar mill in Fujian province in southeast China. The new facility will target the construction steel markets of Fujian and those of neighbouring Zhejiang and Guangdong provinces.	SBB 20-Apr-12 SBB 30-Dec-09
		(200)	LD x 2		(600)				
		(1000)	STR						
		(600)	WR						
	Sansteel MinGuang Co Ltd	4100							
		(3200)	BF x 5						
		(4100)	LD x 5						
		(2700)	CC (billet) x 4						
		(1000)	CC (slab)						
		(1200)	WR x 2						
		(800)	Plate						
<u>Fujian Sino-Japan Metal Corp</u>	Fuzhou, Fujian	(150)	Tin Plate			P			

Economy: **CHINA (18)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Ganxin Iron & Steel (Xinyu Iron & Steel Group)</u>	Atush, Xinjiang Uyghur			(1000)	(1000) (Unlikely)	2012 (1st phase)	In 2011, China's National Development & Reform Commission granted approval for Ganxin Iron & Steel to start pre-construction work on its integrated steelworks project in Atush city in the Xinjiang Uyghur autonomous region in the country's far west. Ganxin Iron & Steel was founded in 2010 by Jiangxi state-owned Xinyu Iron & Steel (Xingang) and a group of Xinjiang-based investors. Xingang owns the largest share in the company with an approximate 40% stake. The project's first phase, with a capacity of about 1m tpy, includes one 1,250mm cu m blast furnace, one 65t converter, one six-strand billet caster and one 960,000 tpy bar mill.	SBB 09-Mar-11

Economy: **CHINA (19)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Guangdong Steel Group Corp (Baosteel Group)</u>	Zhanjiang project			(8928)	(Unlikely)	S	2016 Baosteel plans to invest RMB 12 billion into its Zhanjiang steelworks project with the first tranche of RMB 6 billion coming in the last quarter of 2013 and the balance in 2014. On July 23, 2013, the steelmaking project of Baosteel Zhanjiang commenced officially. It will have two 5,050 cubic metre blast furnaces with annual capacity of 8.2 mmt, three converters (8.9 mmt), three continuous slab casters (8.7 mmt), a hot strip mill (5.5 mmt) and a cold strip mill (2.2 mmt). The company began construction of its hot strip mill and two slab casters in August 2013 and cold strip mill in September 2013. In October 2013, the company began piling work for the construction of the first blast furnace. Civil construction on the three 350 metric ton converters and two 2,150mm-wide slab casters would follow shortly to ensure that the first converter and slab caster are commissioned simultaneously with the iron making unit by end-2015. It has now kicked off construction of all key facilities of its Zhanjiang project. The Zhanjiang works is planned to be completed by September 2016. The new steelworks will produce steel products mainly for automotive and white goods customers in south China, especially those located in the Pearl River Delta.	SBB 27-Aug-13 SBB 05-Sep-13 SBB 22-Oct-13 SBB 13-Aug-13
<u>Guangxi Guigang Iron & Steel Co Ltd</u>	Guigang, Guangxi	800						
				(500)	BF			
				(800)	LD			
				(700)	CC (billet)			
				(800)	STR			

Economy: **CHINA (20)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Guangxi Steel Group Co Ltd (Wuhan I&S Group)</u>	Fangchenggang project			(9200) (Unlikely)		S	2016	Wuhan Iron & Steel (Wugang) has launched the construction of its long-awaited Fangchenggang steelworks project after receiving approval from the central government on May 24, 2012. The new integrated steelworks is designed to be able to produce 8.5 million tpy of iron, 9.2 million tpy of crude steel and 8.6 million tpy of finished steel, including hot rolled coil, plate and cold rolled coil. The company has decided to build and commission the cold strip mill before commissioning its of iron, steel and hot rolled coil making facilities, and held a groundbreaking ceremony for the first cold strip mill in July 2013. The company seeks to make progress on its integrated steelworks project in Fangchenggang in 2014 to ensure the commissioning of the cold strip mill within the first-half of 2015 as planned. Fangchenggang will manufacture target high-end HR and CR products mainly for southern China's automotive and white goods industries.	SBB 30-May-12 SBB 29-Jul-13 SBB 10-Jan-14
<u>Guangzhou Iron & Steel Enterprises Group Co Ltd (Guangdong Iron & Steel Group)</u>	Guangzhou Iron & Steel	2850	(530) BF x 2 (2000) LD x 5 (850) EF x 2 (2800) CC (billet) x 6 (1280) STR x 3			S		Guangzhou Iron and Steel is set to close 2-3m tpy of outdated steel capacity, for Baosteel to launch a 5m tpy steelworks as a replacement for those outdated facilities in southern Guangdong province.	SBB 12-Sep-11

Economy: **CHINA (21)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Guangzhou Zhujiang Steel	2000							
		(2000)	EF x 2						
		(2000)	LF x 2						
		(1800)	CC (tsc) x 2						
		(1800)	Hot						
<u>Guangzhou JFE Steel Sheet Company Ltd</u>						S/P			
	Nansha Development Zone				(Firm)		2012	The Chinese and Japanese investors in Guangzhou JFE Steel Sheet (GJSS) have formally commissioned the second 400,000 tpy hot-dip galvanizing line at the south China plant. The plant, supplied by Japanese builder JP Steel Plantech, doubles GJSS's HDG capacity to 800,000 tpy and will supply the automotive and electric appliance manufacturing sectors.	SBB 09-Apr-12 SBB 31-May-11
<u>Guangzhou Lianzhong Stainless Steel Corp</u>									
	Guangzhou	800	(stainless)		(Possible)		2012		
		(800)	EF						
		(800)	LF		(700)				
		(800)	CC (slab)						
		(1600)	Hot						
		(500)	Cold (stn) x 3						
<u>Guangzhou Pacific Tinplate (Patin)</u>									
	Guangdong	(200)	Tin Plate						
									SBB 26-Apr-11

Economy: **CHINA (22)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Guangzhou Steel Sheets Co (JV with Guangzhou Iron & Steel and Baosteel)</u>	Nansha, Guangzhou			(1800)	Cold (Unlikely)		2015	Southern China's Guangzhou Iron & Steel (Guangang) and eastern China's Baosteel are to build a joint venture cold strip mill in Guangdong province near Guanggang's existing cold rolling and coating JV (Guangzhou JFE Steel Sheet) with Japan's JFE Steel. The new JV Guangzhou Steel Sheets will house a cold strip mill of similar capacity to Guangzhou JFE Steel Sheet's existing 1.8m tpy cold strip mill. The mill is expected to be commissioned by 2015.	SBB 23-Apr-12
<u>Hainan Haiwoo Tinplate Industry Co.</u>									
	Hainan								
		(350)	Tin plate x 2						
<u>Handan Iron & Steel (Hebei Iron & Steel Group)</u>									
	Hanbao Iron & Steel Co Ltd	5200							
		(5140)	BF x 2						
		(5200)	LD x 3						
		(2600)	LF x 2						
		(5200)	CC (slab) x 2						
		(4500)	Hot						
		(2150)	Cold						
		(800)	HGL x 2						

Economy: **CHINA (23)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Hebei	13000			(Possible)	2011-12		The new mill has a designed capacity of 1.38m tpy, and is able to produce other sections such as H-beams and I-beams.	SBB 10-Dec-10
		(8430)	BF x 5	(1380)	STR				
		(13000)	LD x 10 LF x 6						
		(1920)	CC (billet) x 3						
		(1750)	CC (bloom) x 2						
		(4490)	CC (slab) x 4						
		(2500)	CC (tsc) x 2						
		(800)	STR						
		(1100)	WR x 2						
		(1500)	Plate x 2						
		(2500)	Hot						
		(1400)	Cold						
		(665)	HGL x 2						
		(120)	EGL						
		(240)	Ptg x 2						
Hengshui Strip Rolling Co Ltd					(Unlikely)			Major Chinese steel producer Hebei Iron and Steel Group has announced that the first phase of its cold rolled sheet (CRS) and tinplate production base project located in Wuyi County, Hengshui City, Hebei Province has seen the completion of construction works and the start of commissioning. Hebei Steel Group also announced that RMB 5 billion is planned to be invested in phase two of the same project. Hebei Steel Group launched construction of the project in question in October 2009, targeting a designed annual capacity of 250,000 mt of CRS and tinplate in the first phase. The total investment in phase one totaled RMB 1.17 billion. With the second phase, the annual capacity of CRS products and tinplate of the overall project will reach 500,000 mt.	SO 01-Mar-12
		(400)	Hot	(250)	Cold				
		(250)	Cold	(250)	Tin plate				
		(250)	Tin plate						

Economy: **CHINA (24)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Hangzhou Iron & Steel Group Co Ltd (Hanggang)</u>	Hangzhou, Zhejiang	4000	(special steel) BF x 4 LD EF CC (billet) STR x 3 WR Hot			S		Hangzhou Iron & Steel owns 43.85% of Ningbo Iron & Steel, a flat steel producer.	MB 20-Jun-11
<u>Hebei Iron & Steel Group Jiujiang Wire Co Ltd</u>	Qianan, Hebei	6000	BF LD CC WR			S/P		Hebei Iron & Steel Group (Hegang) entered into an alliance with another seven privately-owned mills in its home province on 31 December 2010. Hegang will obtain a 10% stake in each mill through sharing its intangible assets including management, technology and sales network. The seven mills which joined the alliance are Jiujiang Wire Rod Co, Yanshan Iron & Steel, Rongxin Iron & Steel, Xinda Iron & Steel, Yuhua Iron & Steel, Xinjin Iron & Steel and Jinding Heavy Industry. The first four of these used to belong to Changcheng (Great Wall) Iron & Steel Group, while the three others were part of Xinwu'an Iron & Steel Group.	SBB 05-Jan-11 HP
<u>Hebei Iron & Steel Group Songting Iron & Steel Co Ltd</u>	Qianan, Hebei	2100	BF x 4 LD x 4 CC (billet) x 3 WR x 2 Hot			S/P			

Economy: **CHINA (25)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hebei Iron & Steel Group Xinda Iron & Steel Co Ltd</u>	Qianan, Hebei	2200				S/P			
		(2100)	BF x 4						
		(2200)	LD x 2						
		(2200)	CC STR						
<u>Hebei Iron & Steel Group Yanshan Iron & Steel</u>	Qianan, Hebei	3600		2600 (Firm)		S/P	2012	Yanshan Iron & Steel, in northern China's Hebei province, has begun an upstream expansion that will add about 2 million tpy. The main facilities to be installed include two 1,080 cubic metre blast furnaces, one 150-tonne converter, and one 8-strand bloom/round billet caster. Hebei Iron & Steel Group, China's largest steel group, entered into an alliance with Yanshan Iron & Steel in the end of 2010.	SBB 30-Apr-09 NET SBB 05-Jan-11
		(3600)	BF	(2600)	BF x 2				
		(3600)	LD	(2600)	LD CC (billet)				
		(1500)	CC Hot						
<u>Hebei Jingye Group Co Ltd (Hebei Iron & Steel Group)</u>	Nandian, Hebei	9500		1500 (Firm)		P	2012-13	Hebei Jingye Group, a privately owned steelmaker in northern China's Hebei province, commissioned two 1,260 cubic meter and two 1,080 cubic meter blast furnaces in 2012 to replace two 450 cubic meter BF's in the third quarter of the same year. The steelmaker now has a crude steelmaking capacity of around 11 million tpy and planned to raise its crude steel output in 2013 by 43% to 10 million tpy. On 6 June 2013, the company launched hot trials on a new bar mill with a capacity of 800,000 tpy.	SBB 08-Feb-13 SBB 12-Jun-13
			BF	(2300)	BF x 2				
		LD	(1500)	LD (800)	STR				
		CC (billet) CC (slab) STR Plate							

Economy: **CHINA (26)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Hebei Jinxi Iron and Steel (China Oriental Group)</u>								
	Santunying, Hebei	4700						P
		(2160)	BF x 6					
		(4700)	LD x 5					
		(1200)	CC (billet)					
		(2300)	CC (bloom) x 2					
		(700)	CC (slab)					
		(2600)	STR x 3					
		(800)	Hot					
<u>Hebei Luanhe Industrial Group Co Ltd</u>								
	Tangshan Hangu I&S	900						P
		(850)	BF x 3					
		(900)	LD x 4					
		(900)	CC (billet) x 2					
		(600)	Plate					
	Tangshan Hongda Hot Rolling	900						
		(850)	BF x 3					
		(900)	LD x 4					
		(900)	CC (billet) x 2					
		(600)	Hot x 2					
		(300)	ERW x 2					

Economy: **CHINA (27)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hebei Puyang Iron & Steel</u>	Yangyi, Hebei	5900							
		(4630)	BF x 8						
		(5900)	LD x 7						
		(1300)	LF						
		(1500)	CC (billet) x 2						
		(3550)	CC (slab) x 3						
		(600)	WR						
		(1200)	Plate						
		(1500)	Hot						
<u>Hebei Zongheng Iron & Steel Group</u>						P			
	Cangzhou	6000							SBB 11-Aug-10
		(6000)	BF x 3					Privately-owned Handan Zongheng Iron & Steel commissioned its second hot strip mill at its Cangzhou steel works in Hebei province. This new mill will provide 4m tpy of rolling capacity to Zongheng, and boost the hot rolled coil production capacity at Cangzhou to 6m tpy.	
		(6000)	LD x 3						
		(6000)	CC (slab)						
		(6000)	Hot x 2						
	Handan	1800							SBB 11-Aug-10
		(2000)	BF x 4					Zongheng owns two 850mm hot narrow strip mills with a combined capacity of 2.6m tpy at its Handan-based steelworks. They are currently all running at full operation.	
		(1800)	LD x 2						
			LF x 2						
		(2010)	CC (slab) x 3						
		(2600)	Hot x 2						

Economy: **CHINA (28)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Henan Jiyuan Iron & Steel (Group) Co Ltd</u>	Jiyuan, Henan	2000			(Firm)	P	2013 Henan Jiyuan Iron & Steel raised its finished steel capacity by 33% by commissioning a 1 million tpy mill for producing special steel heavy bars on 10 July 2013. The company also commissioned a RMB 300 million three-strand continuous 600mm bloom caster which will feed the new heavy bar mill.	SBB 11-Jul-13
		(1350)	BF x 5	(1000)	STR			
		(2000)	LD x 4	(800)	CC (bloom)			
			LF					
		(1700)	CC (billet) x 3					
		(1450)	STR x 2					
		(600)	WR					
<u>Henan Yaxin Steel Group</u>	Lianyungang Yaxin Steel Co Ltd				(Firm)	P	2013 Lianyungang Yaxin Steel, part of China's privately-owned Henan Yaxin Steel Group, installed three wire rod mills with a combined capacity of over 2 million tpy in 2013. On 22 October 2013, the steelmaker began test operations on one 150 metric ton oxygen converter. A second converter of the same size is expected to have come on stream in December 2013. The two converters will bring upstream capacity in line with rolling capacity.	SBB 28-Oct-13
				3000				
				(3000)	BF x 2			
				(3000)	LD x 2			
				(2400)	CC (billet) x 2			
				(2130)	WR x 3			
<u>Hengshui Jinghua Steel Pipe (Jinghua Innovation Group)</u>	Hengshui, Hebei					P	Hengshui Jinghua Pipe (Jinghua), a major commodity welded pipe producer in northern China's Hebei province, is expected to have commissioned its relocation and upgrade project in mid-2012. With a total investment of RMB 1.5bn, construction at the new site began in November 2009. The new site's capacity includes 705,000 tpy of electric resistance welded (ERW) pipes, 400,000 t of hot dipped galvanized ERW pipes and 95,000 tpy of spiral welded pipes.	SBB 30-Jun-11
		(300)	Cold					
		(1000)	ERW					
		(150)	SAW					

Economy: **CHINA (29)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Hengyang Valin Steel Tube Co (Hunan Valin Iron & Steel Group)</u>								
	Hengyang, Hunan	1500		(Firm)		2012	Hengyang Valin Steel Tube (Henggang), a major seamless pipe producer based in central China's Hunan province, officially commissioned its 500,000 tpy 180mm seamless pipe mill on 7 January 2012. The new facility, Henggang's sixth pipe mill, will boost its production capacity to 2m tpy. Its new output will be predominantly high-specification oil country tubular goods (OCTG), high-pressure boiler tubes and line pipes.	SBB 07-Jan-12
		(900) BF		(500) SMLS				
		(1500) EF x 3						
			LF x 3					
			CC (billet) x 2					
			CC (bloom)					
		(1500) SMLS x 5						
<u>Huadi Steel Group Co Ltd</u>								
	Taizhou Huadi Industrial	200						
		(200) (stainless steel)						
		(200) EF						
			Rolling					
	Wenzhou, Zhejiang							
			(stainless steel)					
			EF					
		(35) STR						
		(25) SMLS						
<u>Huaye Special Steel Co</u>								
	Inner Mongolia	600		400 (Possible)		2014	Inner Mongolia-based Huaye Special Steel Co.'s relocation project was approved in 2011. The steelmaking production capacity of the new plant is expected to 1 million mt in the coming 3 years.	SO 19-Jul-11
		(600) (stainless steel)		(stainless steel)				
		(600) EF		(400) Steelmkg				
		(600) CC						
		(600) Hot						
		(100) Cold (strn)						
		(120) ERW						

Economy: **CHINA (30)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Hubei Xinyegang Steel Co Ltd (CITIC Pacific Group)</u>								
	Huangshi, Hubei	3000	(special steel)					
	(incl. Daye Special Steel)	(1500)	BF					
		(1200)	LD					
		(1800)	EF					
		(1600)	CC (billet)					
		(1100)	STR					
			SMLS					
<u>Huhehot Iron & Steel</u>								
	Huhehot							
			BF					
			LD					
			BTM					
			STR					
<u>Huludao City Steel Pipe Industrial Co</u>								
	Huludao, Liaoning							
		(500)	ERW					
<u>Inner Mongolia Menghang Casting Co Ltd</u>								
	Wulateqianqi industrial area							
				500 (Firm)				
				(500)	EF			
					Rolling			
						2013	Inner Mongolia Menghang Casting Co., Ltd started trial production at a 500,000 tpy EAF steelworks in mid-October 2013. The project in the Wulateqianqi industrial area enables the company to produce construction steel from scrap. The use of scrap ensured government approval of the RMB 680 million project. The steelworks planned to produce 150,000 tons of construction steel in 2013.	SBB 01-Nov-13

Economy: **CHINA (31)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	<u>Jiangbei Steel Processing & Logistics (Wuhan Iron & Steel Group)</u>					S			
	Hankou Roll-forming Steel Plant	(350)	ERW						
	<u>Jiangsu Daijiang Metal Material Co Ltd</u>								
	Daijiang, Jiangsu	(250)	Cold						
		(250)	Tin plate						
	<u>Jiangsu Feida Plate Co Ltd</u>								
	Danyang, Jiangsu	(2100)	Plate x 2		1800 (Firm)		2012	Jiangsu Heavy Industry Corporation commissioned a 250 tonne EAF at the company's plant in Jiangsu province, near Shanghai in 2012. It is equipped with the largest electric arc furnace transformer ever manufactured in China. Production capacity at the unit is 1.8m tpy and output from the rolling unit includes the thickest slab China has ever made.	SBB 27-Apr-12

Economy: **CHINA (32)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Jiangsu Shagang Group Co Ltd</u>	Zhangjiagang, Jiangsu	22560		3000 (Firm)		P	2014	Shagang Group has started building two new wire rod mills, Nos. 9 and 10, at its main operation in Zhangjiagang. The expansion is the first phase in what could be an additional 3 million tpy of wire rod and crude steel capacity. The rod mills should at least have a capacity of about 600,000 tpy each, a standard minimum for major wire rod investments in China. Commissioning of the new lines is due by end-2014, and the company is then planning to add two additional rod mills. The first two new rod mills will be fed by a 120 metric ton converter currently under construction. This is one of two converters ordered from MCC Tiangong Group Corporation. The two converters would have a combined crude steel capacity of around 3 million tpy.	SBB 11-Jun-13
		(12850)	BF x 7	(3000)	LD x 2				
		(17000)	LD x 10	(1200)	WR x 2				
		(5560)	EF x 6		WR x 2				
		(18900)	LF x 12						
		(7450)	CC (billet) x 8						
		(11800)	CC (slab) x 6						
		(4300)	STR x 7						
		(3500)	WR x 5						
		(3400)	Plate x 2						
		(8000)	Hot x 2						
		(150)	HGL						

Jiangsu Shagang Group Huaigang Special Steel Co Ltd

Huaijin, Jiangsu	2650	(special steel)
	(1700)	BF x 3
	(1950)	LD x 2
	(700)	EF
		LF x 3
	(1500)	CC (billet) x 2
	(1800)	CC (bloom) x 2
	(1400)	STR x 2

Economy: **CHINA (33)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Jiangsu Shagang Group Xinrui Special Steel Co Ltd</u>	Changzhou, Jiangsu	1600						
		(1200)	BF x 3					
		(1200)	LD x 4					
		(400)	EF x 2					
		(1600)	CC (billet) x 5					
		(1600)	STR x 3					
<u>Jiangsu Suzhou Steel Group Co Ltd</u>						S		
	Xushuguan, Jiangsu	830						
		(300)	(special steel) BF					
		(230)	LD x 2					
		(600)	EF					
		(600)	LF					
		(830)	CC (bloom) x 2					
		(670)	STR					
		(380)	WR					
<u>Jiangsu Tianhui Steel Pipe (TPCO & Huaigang Special Steel JV)</u>								
	Huaitan, Jiangsu				(Firm)		2012 Eastern China's Jiangsu Tianhui Steel Pipe (Tianhui) commissioned its greenfield 500,000 tpy high-grade seamless pipe mill. Tianhui aims to use the mill to substitute for high-quality seamless pipe imports. Tianhui's operation includes a 508mm rolling mill supplied by Germany's SMS Meer, the largest diameter three-roll pipe mill in China. Tianhui is a 60-40 joint venture between state-owned seamless pipe giant Tiarjin Pipe Group Corporation (TPCO) and Huaigang Special Steel, a 3m tpy subsidiary of eastern China's Shagang Group. The two partners invested a combined RMB 3bn in the project.	SBB 31-May-12 SBB 25-Apr-12
				(500)	SMLS			

Economy: **CHINA (34)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Jiangsu Ton Yi Tinplate</u>	Wuxi, Jiangsu					P			
		(150)	Tin Plate						
<u>Jiangsu Xigang Group (Hunan Valin Group)</u>	Wuxi, Jiangsu	700						On 30 April 2011, Valin's Shenzhen-listed arm announced it had taken 100% control of eastern China's Jiangsu Xigang Group (Xigang), after it signed a contract with Conglomerate China Resources to buy the latter's 45% holding in Xigang over the Shanghai United Assets and Equity Exchange. Xigang, a special steel maker located in eastern China's Jiangsu province, has a seamless pipe making capacity of 700,000 tpy. Valin purchased a 55% stake in Xigang in 2007 for RMB 650m.	SBB 04-Apr-11 SBB 05-May-11
		(700)	EF						
		(700)	LF						
		(700)	CC (bloom)						
		(300)	STR						
		(700)	SMLS						
<u>Jiangsu Xixing Group (Jiangsu Shangang Group)</u>	Wuxi, Jiangsu	1600							
	(Jiangsu Shagang Group)	(1100)	BF x 2 LD EF x 2 CC (billet) x 3 Hot						

Economy: **CHINA (35)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Jiangsu Yonggang Group Co Ltd</u> Lianfeng Steel (Zhangjiagang) Co Ltd		5000 (5000)	BF x 7 LD x 5 Rolling	(1200)	BF (Firm)	P	2013	On 19 October 2013, Chinese steelmaker Lianfeng Iron & Steel (Zhangjiagang) Co. (Lianfeng Steel), a subsidiary of Jiangsu-based Chinese steelmaker Yonggang Group Co., and based in Jiangsu province, successfully commissioned its 1,080 cubic metre blast furnace No. 3. Construction work on the production line was carried out by MCC subsidiary China MCC17 Group Metallurgy Engineering Technology Co., Ltd. The blast furnace has a capacity of 1.2 million tpy.	SO 21-Oct-13
	New steel mill project			1000 (1000)	(Firm) EF CC (billet)		2013	Jiangsu Yonggang Group, a subsidiary of Shagang Group in Zhangjiagang city in eastern China's Jiangsu province, commissioning a RMB 2.1 billion integrated steel mill able to produce 1 million tpy of semi-finished steel. The company held an inauguration ceremony on 28 May 2013, after it successfully hot tested a 110-mt electric arc furnace and a round billet continuous caster on 16 May 2013. These facilities are able to produce 1 million tpy of crude steel. Semi-finished products will include ingots/forgings and round billets. In addition, the company is building a large-diameter round bar rolling mill with capacity of 800,000 tpy which was scheduled to come on stream in July 2013.	SBB 06-Jun-13
<u>Jiangsu Yulong Steel Pipe Co Ltd</u>	Deyang, Sichuan			(170)	(Firm) SAW x 2		2012	Jiangsu Yulong Steel Pipe, a major eastern Chinese welded pipe maker, built a new 170,000 tpy greenfield pipe plant in Deyang city in the southwestern Chinese province of Sichuan. The RMB 275m works hosts one 120,000 tpy mill for JCOE-formed longitudinal submerged arc welded (LSAW) pipes and a 50,000 tpy mill for spiral submerged arc welded (SSAW) pipes.	SBB 30-May-12

Economy: **CHINA (36)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Wuxi, Jiangsu	(140) (460) (160)	Pipe SAW ERW	(120)	(Firm) SAW		2013	Jiangsu Yulong Steel Pipe, a major welded pipe maker in eastern China, has adjusted its plans to build two new welded pipe mills. Regarding its plans for a new 120,000 tpy longitudinal submerged arc welded (LSAW) pipe mill, Yulong has decided to locate this at its main works in Wuxi city in Jiangsu province, rather than in Huocheng county in far west China's Xinjiang Uyghur autonomous region as initially planned. This Huocheng works currently hosts a 130,000 tpy spiral submerged arc welded (SSAW) pipe mill.	SBB 14-May-12
	Yili Yulong Steel Pipe Co (Huocheng)	(130)	SAW						
	<u>Jiangyin Xingcheng Special Steel Co Ltd (CITIC Pacific Group)</u>								
	Jiangyin, Jiangsu	5380 (3100) (4600) (780) (3180) (720) (1650) (3030) (2000) (2850)	(special steel) BF x 2 LD x 4 EF LF x 3 CC (billet) CC (bloom) x 2 CC (slab) x 2 STR x 3 Plate x 2	(500)	(Firm) WR		2013	Xingcheng Special Steel, a special steel producer owned by CITIC Pacific, planned to commission a new wire rod mill at the end of May 2013. The new wire rod mill has a designed capacity of about 500,000 tpy.	SBB 21-May-13

Economy: **CHINA (37)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Jianlong Iron & Steel Group</u>						P		
	Chengde Jianlong (Chengde, Hebei)	2000						
		(2000)	BF x 2 LD CC (billet) STR LF x 3					
	Fushun New Steel	3000						
		(2400)	BF x 5					
		(2600)	LD x 5					
		(400)	EF x 2					
		(2900)	CC x 6					
		(2050)	STR					
		(550)	WR					
		2000						
	Heilongjiang Jianlong (Heilongjiang)							
		(2000)	BF x 3					
		(2000)	LD x 2					
		(2000)	CC (billet)					
		(1000)	STR					
		(750)	SMLS					
	Jilin Steel	1100						
		(1100)	BF x 3 LD x 2					
		(1100)	Hot					
		(1100)	Cold CC					

Economy: **CHINA (38)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Tangshan Jianlong	2000						
		(2000)	BF x 3					
		(2000)	LD x 2					
			CC (billet)					
			CC (slab) x 2					
			Hot x 2					
		(500)	Cold					
			ERW x 3					
<u>Jiaozuo Iron & Steel Co Ltd</u>								
	Jiaozuo, Henan	510						
		(510)	EF					
		(510)	CC					
		(530)	STR					
<u>Jinan Iron & Steel Group Co (Shandong Iron & Steel Group)</u>								
	Jinan Iron & Steel	9020				S		
		(9380)	BF x 10				The steel industry restructuring guidelines issued by Shandong's provincial government state that total crude steel capacity in Shandong province will be reduced by more than 10m tpy to 50m tpy by 2015. Among the steel mills in the province, Shandong Iron & Steel's subsidiaries Jinan Iron & Steel and Laitu Iron & Steel are required to trim crude steel capacity to 5.6m tpy and 6m tpy respectively by 2015 from around 10m tpy each currently.	SBB 20-Mar-12
		(9020)	LD x 8					SBB 23-Feb-12
			LF x 2					
		(700)	CC (billet) x 2					
		(7270)	CC (slab) x 6					
		(450)	STR					
		(3950)	Plate x 3					
		(2500)	Hot					
		(840)	Cold					
		(350)	HGL					

Economy: **CHINA (39)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Jincheng Fusheng Steel Ltd</u>	Jincheng, Shanxi	5000				P		
			BF x 6 LD x 6 CC					
		(5000)						
		(2600)	STR x 3					
		(1600)	WR					
		(2000)	Plate					
<u>Jining Iron & Steel Works (Jining Mining Industry Group)</u>	Jining, Shandong							
			EF					
		(500)	STR					
<u>Jinxi Steel Pipe Co Ltd</u>	Huludao, Liaoning							
		(150)	ERW					

Economy: **CHINA (40)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Jiuquan Iron & Steel Co. (JISCO)</u>									
	Jiayuguan, Gansu	8640				S		Jiuquan Iron & Steel, in north-western China's Gansu province, aims to increase its crude steel capacity to 13m tpy by the end of 2015. Some of the company's new expansions will contribute to the capacity boost. Jiugang started a 1.2m tpy integrated project at Yuzhong Iron & Steel, one of its subsidiaries in Gansu's Lanzhou city, in January. The project's finished products will be H-beams and rebar and will replace existing capacity at Yuzhong.	SBB 16-Feb-11
		(3700)	BF x 3						
		(8000)	LD x 6						
		(640)	EF						
		(600)	LF						
		(2100)	CC (billet) x 4						
		(1600)	CC (slab) x 2						
		(2000)	CC (isc)						
		(500)	STR						
		(1100)	WR						
		(1000)	Plate						
		(3200)	Hot x 2						
		(2100)	Cold x 6						
		(750)	HGL x 2						
	Stainless steel mill	600	(stainless steel)		(Possible)		2012		
		(600)	EF		(500)				
		(600)	CC (slab)						
		(900)	Hot						
		(180)	Cold (strn) x 2						
	Yizheng Iron & Steel	1500							
		(1000)	BF x 2						
		(1500)	LD x 2						
		(1500)	CC (billet) x 2						
		(1500)	STR x 2						

Economy: **CHINA (41)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Yuzhong Iron & Steel		1500		1250 (Firm)		2012		Jiuquan Iron & Steel Group (Jiugang) has blown-in a new blast furnace at the Yuzhong works of its subsidiary Yuzhong Iron & Steel (Yugang). The 2,800 cubic metre furnace was fired on 28 September 2012 and is the key component in a 2.2m tpy integrated long steel project which Jiugang has been developing since January 2011. The new project adds 2.25m tpy of pig iron making capacity and 1.25m tpy of crude steelmaking capacity. The project also comprises a 1.1 m tpy rebar mill and two high-speed wire rod mills each with a capacity of 800,000 tpy.	SBB 03-Oct-12
		(950)	BF x 2	(2250)	BF				SBB 07-Jul-11
		(1500)	LD x 2	(1250)	LD x 2				
		(1000)	CC (billet) x 2	(1100)	STR				
		(500)	STR	(1600)	WR x 2				
		(500)	WR						
Joint venture between <u>Glencore International</u> and <u>Nanjing No.2 Steel Works</u>									
Nanjing, Jiangsu									
<u>JS (Nantong) Stainless Steel Co Ltd</u>	Nantong, Jiangsu	(240)	BF x 2			P			
				(Firm)		2014		Nippon Steel & Sumikin Stainless (NSSC), Japan's largest stainless producer, joined with trader Sumitomo Corp and a Chinese producer of hot rolled stainless to establish a 200,000 tpy stainless cold rolling mill in eastern China. The joint venture will be NSSC's first overseas production base. Named JS (Nantong) Stainless Steel, the JV will be located at Nantong in Jiangsu north of Shanghai and will be held 25% by NSSC, 40% by China's Southwest Stainless Steel and 35% by Sumitomo. Operations will start from June 2014.	SBB 23-May-12 HP
<u>Julong Steel Pipe Co Ltd</u>									
Qing, Hebei									
		(150)	SAW						

Economy: **CHINA (42)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Kunming Iron & Steel (Wuhan Iron & Steel Group)</u>									
	Honghe Iron & Steel	2000			(Firm)	S	2012	Southwestern China's Honghe Iron & Steel (Honggang), an integrated steelmaking subsidiary of Kunming Iron & Steel in Yunnan province, officially commissioned its 600,000 tpy bar and sections mill in 2012.	SBB 15-Feb-12 SBB 25-Oct-11
		(2000)	BF	(600)	STR				
		(2000)	LD						
			CC						
		(800)	STR						
		(400)	WR						
	Qiaogang								
		(250)	STR						
	Yunnan	3000		2000	(Firm)		2012-15	Two new 120 mt converters were commissioned on 9 July 2012 by Chinese steelmaker Kunming Iron and Steel at new facilities in the city of Anning in the Chinese province of Yunnan. The converters were built by Mechanical and Electrical Co, which is part of the state-owned China First Metallurgical Construction Group Corporation. The annual crude steelmaking capacity of Kunming Steel will increase to 2 million tpy with the two new converters. The company also plans to set up a new 4 million tpy hot strip mill at its new steelworks.	SO 10-Jul-12 NET
		(3080)	BF x 3	(3800)	BF x 2				
		(3000)	LD x 6	(2000)	LD x 2				
		(800)	LF	(1400)	CC (billet)				
		(1400)	CC (billet) x 3	(3900)	CC (slab) x 2				
		(1000)	CC (slab)	(900)	STR				
		(450)	STR	(4000)	Hot				
		(400)	WR	(1600)	Cold				
		(1200)	Hot						
		(900)	Cold x 2						
		(200)	HGL						
		(100)	Ptg						
	Yunnan Kungang Pipe	(350)	ERW						
		(50)	SAW						

Economy: **CHINA (43)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
Yuxi Xinxing Iron & Steel		1500						
		(1000)	BF					
		(1500)	LD					
		(1500)	CC (billet)					
		(480)	STR					
		(190)	Hot					
<u>Laiwu Iron & Steel Group Co. (Shandong Iron & Steel Group.)</u>								
	Laiwu, Shandong	12410			(Firm)	S	2013 Laiwu Iron and Steel (Laigang) has hot-tested a bloom caster for special steel with an annual production capacity of 950,000 tpy at its plant in Shandong province. The caster can produce round blooms 500-1,000mm in diameter and 4-9 meters in length.	SBB 20-Aug-13
		(10900)	BF x 7					
		(11500)	LD x 9		(950) CC (bloom)			
		(660)	EF x 5					
			LF x 5					
		(3470)	CC (billet) x 6					
		(3150)	CC (bloom) x 2					
		(7500)	CC (slab) x 2					
		(5960)	STR x 3					
		(2000)	Plate					
		(3000)	Hot x 2					
		(400)	Cold					
Yantai Steel Pipe Plant								
		(270)	SMLS x 2					
<u>Lanzhou Iron & Steel Group Co. (Langang.)</u>								
		440						
		(300)	LD					
		(140)	EF x 6					
		(166)	CC x 3					
		(170)	BTM					
		(240)	STR					

Economy: **CHINA (44)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Lianyuan Iron & Steel Group Co (Hunan Valin Iron & Steel Group)</u>	Loudi, Hunan	9000					2013	Lianyuan Iron & Steel (Liangang), a subsidiary of Valin group located in the central Chinese province of Hunan, has commissioned a new 2,800 cubic meter blast furnace. The hot metal from the furnace will eventually feed Valin's auto sheet joint venture with ArcelorMittal. However, this was not a capacity expansion, but rather the replacement of five smaller blast furnaces ranging from 440 to 550 cubic meters, which had been shut down completely in February 2013. With the commissioning of the new blast furnace, Liangang's crude steel capacity remained at around 9 million tpy.	SBB 12-Mar-13
			BF LD EF LF x 2 (1100) CC (billet) (5500) CC (slab) (1590) STR (6600) Hot x 2 (1500) Cold		BF				
<u>Liaoyang Steel Co Ltd</u>	Liaoyang, Liaoning	800				P			
			(800) BF (800) LD (500) WR						
<u>Lingyuan Iron & Steel Co</u>	Lingyuan, Liaoning	3500			2500 (Firm)	S	2012	Lingyuan Iron & Steel (Linggang) held a formal ceremony to commission its 2.5m tpy steelworks on 19 October 2012, lifting the company's crude steelmaking capacity to 6m tpy. The company launched the RMB 7.5bn project in May 2011, which includes a 2,300 cubic metre blast furnace, two 120 t converters, and two production lines for wire rod and rebar respectively.	SBB 23-Oct-12 SBB 24-Jan-13
			(1300) BF x 3 (3500) LD x 2 (1200) LF (1200) CC (billet) (1200) CC (slab) (900) STR (500) WR (1180) Hot (200) Cold		(2000) BF (2500) LD x 2 STR WR				

Economy: **CHINA (45)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Liuzhou Iron & Steel (Wuhan Iron & Steel Group)</u>	Liuzhou, Guangxi	9240			(Firm)	S	2012	The No. 4 blast furnace of Liuzhou Iron and Steel Co was formally commissioned on 3 September 2012. Built with an investment of RMB 135 million, the blast furnace is expected to have an annual production capacity of 2.25 million tpy. With the addition of the new blast furnace (which is the steelmaker's largest blast furnace), the iron-making capacity of Liuzhou Steel will increase to about 11 million tpy.	GURU 08-Sep-12
		(8430)	BF x 7	(2250)	BF				
		(9240)	LD x 9						
		(1200)	LF						
		(1200)	CC (billet)						
		(3700)	CC (slab) x 3						
		(1200)	STR x 2						
		(1200)	WR x 2						
		(700)	Plate						
		(3500)	Hot						
		(1400)	Cold						
<u>Maanshan Iron & Steel Co Ltd (Magang Group)</u>	Liuzhou Iron & Steel	1500			1200 (Firm)	S	2013	Anhui Changjiang Iron & Steel, a construction steel producer owned by Maanshan Iron & Steel, commissioned its second 120 metric ton oxygen converter at its works in eastern China's Anhui province on 27 January 2013. The new facility is able to produce about 1.2 million tpy of crude steel. The new converter is part of the second phase of Changjiang's 3 million tpy integrated steelworks project, which started in 2011 with the construction of two 1.1 million tpy bar rolling mills.	SBB 13-Sep-12 SBB 31-Jan-13
		(2250)	BF	(1200)	LD				
		(1500)	LD	(2200)	STR x 2				
		(1200)	CC (billet)						
		(1200)	STR						
		(600)	WR						

Economy: **CHINA (46)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	Maanshan, Anhui	15100		3000 (Possible)	3000 (Possible)	2014	Magang Group Holding is carrying out a relocation and upgrading project at Maanshan Iron & Steel and Magang (Hefei) Iron & Steel. Maanshan Steel will have a new 5,000 cu metre blast furnace, a 300-tonne converter, and a 1,580mm hot strip mill. The company has recently commissioned the new hot strip mill. The new HR mill has a capacity of 2.73 million tpy and can roll sheet to 1,580mm in width.	SBB 13-Apr-10 SBB 17-Dec-13
		(11740)	BF x 5		BF			
		(14100)	LD x 12	(3000)	LD			
		(1000)	EF	(2800)	LF			
		(3900)	LF x 2		CC (slab)			
		(2860)	CC (billet) x 4	(2730)	Hot			
		(9200)	CC (bloom) x 4					
		(2400)	CC (slab) x 5					
		(550)	STR x 4					
		(700)	WR					
		(7800)	Plate					
		(3980)	Hot x 2					
		(1460)	Cold x 4					
		(300)	HGL x 4					
		1610	Ptg x 2					
Magang (Hefei) Iron & Steel					(Firm)	2013	Maanshan Iron & Steel (Magang) has commissioned two new cold strip mills, expanding its production capacity for sheets used in automotive and white goods applications. The two cold strip mills can roll strip to widths of 1,550mm and 1,420mm respectively and have a combined capacity of 1 million tpy. The two CR mills are located in the nearby city of Hefei. All HRC feeds will be sourced from the company's new 1,580mm hot strip mill.	SBB 17-Dec-13 SBB 18-May-11
		(1150)	BF x 4	(1000)	Cold x 2			
		(1610)	LD x 3					
		(800)	CC (billet) x 3					
		(500)	STR					
<u>Maruichi Metal Product (Foshan) Co Ltd</u>								
	Foshan, Guangdong							
		(100)	ERW					
Maruichi Metal Products Tianjin		(12)	ERW					

P

Economy: **CHINA (47)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Minmetals Yingkou Medium Plate Co Ltd</u>	Liaoning	3000		2000 (Firm)	2013	Minmetals Yingkou Medium Plate Co, an integrated plate maker in northeast China's Liaoning province, boosted its crude steel capacity from 3m tpy to 5m tpy with the commissioning of two new blast furnaces and oxygen converters. The company commissioned its 2,400 cubic meter blast furnace in March 2013, and is expected to have fired a new 2,400 cubic meter blast furnace in August 2013.	SBB 21-Jul-11 SBB 12-Jul-13	
		(1800)	BF x 4					
		(3000)	LD x 3	(2000)	BF x 2			
		(2000)	LF x 2	(2100)	LD x 2			
		(2500)	CC (slab) x 2		WR x 3			
		(3300)	Plate x 2					
<u>Nanjing Iron & Steel Co Ltd</u>						S/P		
Jinxin Steel Rolling Co		(400)	STR					
	Nanjing, Jiangsu	6500		3500 (Firm)	2013-14	Nanjing Iron & Steel United (Nangang), a top-tier plate producer in eastern China's Jiangsu province, aims to complete and commission its RMB 7 billion technical upgrade by February 2014, expanding its crude steel capacity to 10 million tpy from the existing 8.5 million tpy level. The project commenced in 2011. The plate mill is designed to produce 1.5 million tpy, and was expected to start commercial production by the end of 2013 after trial operations in late August of that year. The new rod mill, designed to produce 800,000 tpy of 16-80mm rods, was expected to start trial operations by the end of 2013 and commercial production by the end of January 2014.	SBB 27-Nov-13 SBB 09-Sep-11	
		(5600)	BF x 8	(3500)	LD x 3			
			LD x 6	(3500)	CC (billet) x 3			
			EF	(800)	WR			
		(5100)	LF x 4	(1500)	Plate			
		(1150)	CC (billet) x 3					
		(600)	CC (bloom) x 2					
		(3150)	CC (slab) x 3					
		(1800)	STR					
		(450)	WR					
		(2500)	Plate x 2					
		(400)	Hot					

Economy: **CHINA (48)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Nantong Baosteel Iron & Steel Co Ltd (Baosteel Group Corp)</u>	Nantong, Jiangsu	1000				S		
		(450)	BF (mini)					
		(1000)	EF x 3					
		(1000)	CC (billet)					
		(600)	STR					
<u>Nantong Wire Rod Products Co (Baosteel Group Corp)</u>	Nantong, Jiangsu	(170)	WR	(150)	WR	S	(Unlikely)	
<u>Nanyang Hanye Special Steel Co Ltd</u>	Huiche-xixia, Henan	3300	(special steel)			P		
		(2000)	BF					
		(3300)	LD x 3					
		(2000)	LF x 2					
		(2100)	CC (slab) x 2					
		(1400)	Plate x 2					
<u>NatSteel (Xiamen) Ltd</u>	Xiamen	(270)	WR			P		
		(350)	STR					

Economy: **CHINA (49)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Ningbo Baoxin Stainless Steel Co Ltd</u>	Ningbo, Zhejiang	(620)	Cold (stm) x 7	(60)	Cold (stm)	S/P	2012	Baosteel subsidiary Ningbo Baoxin Stainless Steel Co (Baoxin) added 60,000 tpy of new stainless cold rolling capacity at its works in eastern China's Zhejiang province. Construction of the expansion was started on 16 July 2010, and will see capacity at the company's works in Ningbo city lifted to 660,000 tpy at a total investment of about RMB 370m.	SBB 22-Jul-10 HP
<u>Ningbo Iron & Steel Co Ltd (Baosteel Group Corp)</u>	Ningbo, Zhejiang	4000			(Possible)	S	2012		
		(4000)	BF x 2		(300)				
		(4000)	LD x 2		HGL				
		(6000)	CC (slab) x 3						
		(3800)	Hot						
		(1600)	Plate						
<u>Others</u>		201560			70910 (Firm)				
<u>Pangang Group Sichuan Changcheng Special Steel Co Ltd</u>	Jiangyou, Sichuan	650							
		(650)	(special steel)						
		(650)	EF						
		(650)	CC (billet)						
		(650)	STR						
		(320)	WR						
		(150)	Hot						
		(5)	Cold						

Economy: **CHINA (50)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Pangang Group Xichang New Steel Enterprise Co Ltd</u>	Xichang, Sichuan	1100		3600 (Firm)			2012	Panzhihua Iron & Steel (Pangang) is building a 3.5m tpy greenfield integrated steelworks in Sichuan province. The plant will have the capacity to produce 4m tpy of iron, 3.6m tpy of crude steel and 3.7m tpy of hot rolled coil. Construction of the steelworks was launched in 2007 to make use of iron ore reserves in Sichuan province's southwest region.	SBB 31-May-11 SBB 29-Mar-11
		(900)	BF x 2	(4000)	BF				
		(1100)	LD x 2	(3600)	LD				
		(1000)	CC (billet) x 2	(3600)	CC (slab)				
				(3600)	Hot				
<u>Panyu Chu Kong Steel Pipe Co Ltd</u>						P			
	Guangzhou, Guangdong	(900)	SAW x 3						
		(150)	ERW						
	Zhuhai, Guangdong				(Firm)		2012 (1st phase)	Chu Kong Petroleum & Natural Gas Steel Pipe Holdings (Chu Kong) commissioned its first longitudinal submerged arc welded (LSAW) mill in Zhuhai city in the end of 2011. The new facility, a JCOE-forming LSAW pipe plant, has a capacity of 300,000-400,000 tpy. Chu Kong will continue building other facilities including the second phase of the Zhuhai project, which could boost the capacity of the project to 500,000 tpy.	SBB 26-Jan-11 SBB 18-Oct-11
				(300)	SAW				

Economy: **CHINA (51)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Panzhuhua Iron & Steel Co Ltd (Pangang Group)</u>								
	Panzhuhua, Sichuan	6200						S
		(4750)	BF x 4					
		(6200)	LD x 5					
		(1200)	LF					
		(2200)	CC (billet) x 2					
		(2600)	CC (slab) x 2					
		(1000)	STR					
		(2600)	Hot					
		(1200)	Cold					
		(550)	HGL x 2					
		(100)	Ptg					
<u>Pingxiang Iron & Steel Co Ltd (Pinggang)</u>								
	Jiujiang Steel	4000						P
		(4000)	BF					
		(4000)	LD x 2					
		(2100)	CC (billet)					
		(700)	CC (slab)					
		(1800)	STR					
		(1100)	WR					
		(1700)	Plate					
	Pingxiang Steel	4350						
		(1950)	BF x 3					
		(4350)	LD x 5					
		(3600)	CC (billet) x 2					
		(1900)	STR					
		(600)	WR					

Economy: **CHINA (52)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Qingdao Iron & Steel Group Co (Qinggang)</u>						S		
	Qingdao, Shandong	3300						
		(3600)	BF x 6					
		(3300)	LD x 5					
		(3300)	CC (billet) x 5					
			WR x 3					
			STR x 2					
<u>Qingdao Pohang Stainless Steel Co</u>						P		
	Qingdao, Shandong							
			(stainless steel)					
		(180)	Cold (strn)					
<u>Qinghai Kunlun Steel (Xiwang Group)</u>								
	Dulan, Qinghai							
		(200)	BF					
<u>Qinhuangdao Shoujin Metals Materials Co Ltd</u>								
	Qinhuangdao, Hebei	3200						
		(2560)	BF x 2					
		(3200)	LD x 3					
		(1500)	LF x 2					
		(3440)	CC (slab) x 3					
		(2600)	Plate x 2					

Economy: **CHINA (53)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Rizhao Iron & Steel Co Ltd</u>	Rizhao, Shandong	12200				S		
		(12400)	BF x 16					
		(12200)	LD x 9					
			LF x 3					
		(2000)	CC (billet) x 2					
		(1400)	CC (bloom)					
		(5000)	CC (slab) x 3					
		(1500)	STR x 2					
		(1400)	WR x 2					
		(4000)	Hot x 2					
<u>Shaanxi Hanzhong Hanzhong Iron & Steel</u>	New expansion project							
				(2600)	(Unlikely)	2011-12 (1st phase)	Northwest China's Shaanxi Hanzhong Hanzhong Iron & Steel was formally founded on 28 June 2009 through a combination of Hanzhong Iron & Steel Group (Hangang), Lueyang Iron & Steel Group (Luegang), and Hanzhong Jialing Mining. On the same day, the newly established company held a groundbreaking ceremony for a 5m tpy expansion project. The whole project is due to finish in 2015.	SBB 30-Jun-09 NET
				(2000)	BF x 2			
				(2100)	LD x 2			
				(500)	EF			
					CC x 4			
				(1800)	STR x 2			
<u>Shaanxi Hanzhong Iron & Steel (Tangshan Baoye Group)</u>								
	Hanzhong, Shaanxi	2000				P		
				1000	(Firm)	2012-13	The Shaanxi Iron & Steel Group's subsidiary, Hanzhong Iron & Steel (Shaangang Hangang), commissioned a bar rolling mill with a capacity of about 800,000 tpy at the end of July 2013. A second bar mill came on stream at the end of August 2013. The two new mills boost the company's total finished steelmaking capacity to slightly over 3 million tpy. In 2012, the company inaugurated a 600,000 tpy wire rod mill and a double-strand wire rod mill with 1 million tpy of capacity.	SBB 25-Sep-12 SBB 12-Aug-13
		(1500)	BF x 3					
		(2000)	LD x 2					
		(2000)	CC (billet) x 2					
		(800)	Hot					

Economy: **CHINA (54)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Shaanxi Longmen Iron & Steel (Group) Co Ltd</u>									
Shaanxi Longmen Iron & Steel		7000		3000 (Possible)		P	2014	Shaanxi Longmen is looking to boost its crude steel capacity from 7 m to 10m tpy by the end of its twelfth five year plan (2011-2015), to meet high potential demand in northwestern China. The company has recently brought on-stream a new 900,000 tpy line for producing earthquake-resistant grade rebar. The company was also constructing another rebar line at the same site, with a capacity of about 1.2 million tpy. The project began in March 2013, and was expected to start operation in the fourth quarter of 2013.	SBB 21-Apr-10 SBB 16-Sep-13 SBB 03-Feb-11
		(7600)	BF x 4	(3000)	Steelmkg				
		(7000)	LD x 5	(1200)	STR				
		(6800)	CC (billet) x 4						
		(3000)	STR x 2						
		(880)	WR						
		(380)	Hot						
<u>Shaanxi Lueyang Iron & Steel</u>									
Hanzhong, Shaanxi		1000							
		(800)	BF						
		(1000)	LD						
		(800)	STR						
<u>Shandong Chuanyang Group</u>									
Zouping				1200 (Firm)			2013	Shandong Chuanyang Group, located in eastern China, hot-tested a 120-mt converter in H1 2013. The company also plans to invest in a second converter.	SBB 30-Jul-13
				(1200)	LD				

Economy: **CHINA (55)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Shandong Fulun Iron & Steel</u>	Laiwu, Shandong	4500				P			
		(2250)	BF x 4						
		(4500)	LD x 3						
		(1500)	CC (billet)						
		(1500)	CC (slab)						
		(1600)	STR						
		(1400)	WR						
		(1500)	Hot						
<u>Shandong Iron & Steel Group</u>						S			
	Kashi iron and steel project			1000 (Firm)		2013 (1st Phase)		Shandong Iron and Steel Co. has completed a hot run test at the rebar production line of its Xinjiang-based Kashi iron and steel project. The Kashi iron and steel project, in which total investment is expected to reach RMB 7.3 billion, involves the construction of a 1,000 cubic meter blast furnace, a 100 mt converter and rolled steel production facilities. The project is expected to have a capacity of 3 million tpy after completion. The project's initial steel capacity is about 1 million tpy. The rolled steel production facilities in question include a rebar production line and a wire rod production line, each with a capacity of 500,000 tpy.	SO 27-Aug-12 SO 15-Jan-13

Economy: **CHINA (56)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
New integrated steelworks in Rizhao				(8500)	(Unlikely)			Shandong Iron and Steel Group formally started construction of its Rizhao project in June 2013. The group received approval for the project from China's National Development and Reform Commission in April 2013. The project involves a total investment of RMB 56.748bn. When completed, the steel plant is expected to produce 8.1 million tpy of pig iron, 8.5 million tpy of crude steel and 7.9 million tpy of finished steel. The steelworks is planned to house two 5,100 cubic meter blast furnaces, two 250-mt converters and two 200-mt converters, with accompanying hot and cold strip mills. Port facilities to be built as part of the project include one 300,000 mt berth, three 40,000 mt berths and four 10,000 mt berths.	SO 12-Jul-13 SBB 03-Jul-13
				(8100)	BF x 2				
				(8500)	LD x 4				
				(8250)	CC (slab) x 3 Plate Hot Cold				
<u>Shandong Molong Petroleum Machinery Co Ltd</u>	Shouguang			500 (Firm)		2013	Shandong Molong Petroleum Machinery (Molong) inaugurated a new 90-metric ton electric arc furnace in December 2013. The new EAF, which cost RMB 134 million, is located in Molong's subsidiary Shouguang Baolong Petroleum Material Co. Design capacity is about 500,000 tpy. The new EAF, along with an existing 45-mt converter in Shouguang Baolong and at another Molong subsidiary Weihai Baolong Special Petroleum Materials, are expected to meet all of the crude steel required by Molong's pipe production facility.	SBB 09-Jan-14	
			SMLS	(500)	EF				

Economy: **CHINA (57)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Shandong Taishan Iron & Steel Co Ltd</u>	Laiwu, Shandong	3000	(stainless steel) BF LD EF CC (slab) Hot (1000) Cold	(520)	(Possible) Cold (stm) x 2	P	2013-14	Shandong Taishan Steel Group, the only stainless steel producer in China's Shandong eastern province, commissioned two stainless cold rolling mills in 2013 at its works in Laiwu city, Shandong. The company will commission a 20,000 tpy precision strip mill that will produce strips 0.05-1mm thick and 10-1,250mm wide for use in the computer, auto components and medical equipment industries. The company is also constructing a 500,000 tpy CR strip mill that the firm expects to commission in 2014.	SBB 20-Nov-12
<u>Shandong Xiwang Iron & Steel Co Ltd</u>	Xiwang, Shandong	600	(600) EF (600) LF (800) CC (billet) (500) WR						
<u>Shanghai Baomin Iron & Steel Group Co Ltd</u>	Jiangsu					P			
<u>Shanghai Ergang Co Ltd (Baosteel Group Corp.)</u>	Shanghai	(1200)	Plate			S			
<u>Shanghai Just-Huahai Metal Products Co Ltd</u>	Pudong, Shanghai	(540)	WR (stainless steel) (50) ERW						

Economy: **CHINA (58)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
							<u>Start-up date</u>	
<u>Shanghai Krupp Stainless Steel Co Ltd</u>	Pudong, Shanghai	(270)	Cold (stm) x 3					
<u>Shanghai Meishan Iron & Steel Co Ltd (Baosteel Group Corp.)</u>	Nanjing, Jiangsu	3000		4100 (Firm)		S	2012	SBB 18-Apr-12 NET 05-Jun-12
		(3500)	BF	(3270)	BF			
		(3000)	LD x 2	(4100)	LD x 2			
		(3200)	LF x 2		LF			
		(1600)	CC (slab)	(4100)	CC (tsc) x 2			
		(2500)	Hot	(4000)	Hot			
		(850)	Cold					
		(200)	HGL					
		(200)	Tin plate					
<u>Shanghai Stal Precision Stainless Steel Co Ltd</u>	Shanghai					S/P		
			(stainless steel)					
		(56)	Cold (stm)					
<u>Shanghai Yichang Steel Sheet Co Ltd (Baosteel Group Corp.)</u>	Shanghai	(850)	Cold			S		
		(550)	EGL x 3					

Economy: **CHINA (59)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Shanxi Haixin Iron & Steel Group Co Ltd</u>	Wenxi, Shanxi	4600			(Firm)	P	2013	Haixin Iron & Steel in the northern Chinese province of Shanxi was reported in early 2013 to be close to completing its first hot strip mill. The commissioning was expected to be in mid-2013. This mill will produce coil with a width of 1,500mm and has a capacity of 2.2 million tpy. This hot strip mill was initially planned to be commissioned in 2008, but was temporarily suspended due to weak market conditions.	SBB 17-Jan-13
		(3930)	BF x 6						
		(4600)	LD x 5	(2200)	Hot				
		(3000)	LF x 3						
		(2400)	CC (billet) x 3						
		(2250)	CC (slab) x 2						
	(1500)	STR x 3							
	(900)	WR x 2							
<u>Shanxi Huanhai Stainless Steel Co</u>	Huguan, Shanxi	200				P			
		(200)	EF x 3						
			CC (slab)						
<u>Shanxi Meijin Iron & Steel Co Ltd</u>	Taiyuan, Shanxi	1200				P		Linfen Iron & Steel (Lingang), a subsidiary of Taiyuan Iron & Steel Group (Taigang) in central China's Shanxi province, signed a formal agreement on 23 December 2010 to take charge of management at Meijin Iron and Steel in the place of its majority shareholder Shanxi Meijin Energy Group. The agreement spans a period of five years. The Shanxi government wants the consolidation of mills around Taiyuan city to take Taigang's crude capacity share to 80% of Shanxi's total crude capacity by 2015, or 40m tpy.	SBB 16-Mar-11 SBB 28-Dec-10
		(1000)	(special steel) BF						
		(1200)	LD						
		(900)	CC						
		(600)	STR						
			WR						

Economy: **CHINA (60)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Shanxi Wenshui Haiwei Iron & Steel</u>	Luliang, Shanxi	3000				P		Shanxi Zhongyang Iron & Steel and Shanxi Wenshui Haiwei Iron & Steel, two privately-owned longs producers in Luliang city in northern China's Shanxi province, signed a merger framework agreement on 24 June 2010. The two companies have a combined crude steel capacity of about 6.6m tpy, with Zhongyang hosting 3.6m tpy and Haiwei the remainder. The merged entity will see its crude steel capacity climb to 15m tpy by the end of 2015 through the acquisition of other smaller mills.	SBB 28-Jun-10
			BF						
			LD						
			STR						
			WR						
			Hot						
<u>Shanxi Yangquan Iron & Steel</u>	Yangquan, Shanxi	(100)	BF EF			S			
<u>Shanxi Zhongyang Iron & Steel Co Ltd</u>	Lvliang, Shanxi	4000			1500 (Firm)	S		2013 Successful hot load tests have been carried out on the upgraded steel production facilities of Shanxi Province-based Chinese steelmaker Zhongyang Iron and Steel Co. The hot load tests involved two converters, one continuous casting machine and other related systems. The upgraded steel production facilities have a capacity to produce 1.5 million tpy of liquid steel, raising the company's overall annual liquid steel output capacity to 4 million mt.	SO 10-Sep-13
		(3600)	BF x 2						
		(4000)	LD x 3		(1500)				
		(400)	CC (billet) x 2		CC				
		(2100)	STR						
		(1500)	WR x 3						
			Hot						

Economy: **CHINA (61)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source	
<u>Shanxi Zhongyu Iron & Steel Co Ltd</u>	Linfen, Shanxi	3000				P				
		(2000)	BF							
		(3000)	LD							
		(2000)	WR							
<u>Shaoguan Iron & Steel Group Co Ltd (Guangdong Iron & Steel Group.)</u>	Qujiang, Guangdong	8100			(Possible)	S			SBB 16-May-11	
		(6690)	BF x 8	(1450)	CC (billet)		2013	The new bar mill produces 1.15m tpy of alloy and high carbon bar and was scheduled to come on stream by the end of 2012.	SBB 16-May-12	
		(7300)	LD x 6	(1150)	STR					
		(800)	EF							
		(2800)	LF x 3							
		(2000)	CC (billet) x 3							
		(400)	CC (bloom)							
		(3370)	CC (slab) x 4							
		(400)	STR							
		(500)	WR							
		(1820)	Plate x 2							
		<u>Shashi Steel Pipe Works</u>	Hubei					(Firm)	S	
(800)	SAW			(200)	ERW	2013	Shashi Steel Pipe aims to boost its welded pipe capacity to 1m tpy with a new 200,000 tpy electric resistance welded (ERW) pipe mill, the company's first ERW facility. The ERW mill is expected to have come on stream in 2013. The total capacity of the existing mills was lifted to about 800,000 tpy after a number of upgrade projects undertaken in 2009.	SBB 09-Feb-11		

Economy: **CHINA (62)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Shenyang Toyo Steel Co Ltd</u>	Shenyang, Liaoning	300				S/P		
		(300)	EF					
		(300)	LF					
		(500)	BTM					
		(300)	CC (billet)					
		(500)	STR					
<u>Shenzhen Sino Master Steel Co Ltd (Guangdong Sino Master Group)</u>	Shenzhen, Guangdong					P		
		(650)	STR					
<u>Shenzhen Sino Master Steel Sheet Co Ltd (Guangdong Sino Master Group)</u>	Shenzhen, Guangdong					P		
		(250)	Cold					
		(280)	HGL					
		(120)	Plg					
<u>Shijiazhuang Iron & Steel Co Ltd (Hebei Iron & Steel Group)</u>	Shijiazhuang, Hebei	3050						
		(1380)	BF x 4 (special steel)					
		(2800)	LD x 3					
		(250)	EF					
			LF					
		(1050)	CC (billet) x 2					
		(800)	CC (bloom)					
		(2250)	STR x 3					

Economy: **CHINA (63)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Shougang Changzhi Iron & Steel Co Ltd</u>	Changzhi, Shanxi	3650			(Firm)	S	2013 Shougang Changzhi Iron & Steel (Changgang) has lit the reheating furnace for its new wire rod mill and planned to start rolling in January 2013. The double-strand mill has a capacity of about 1.1 million tpy. One strand would be mainly designated to produce wire rods of commercial quality, with the other targeted at medium- and high-carbon grades such as welding rod and wire rod for making pre-stressed strands. The new outputs would be targeted to domestic consumers, mainly downstream industries in the northern and eastern parts of the country.	SBB 27-Dec-12 SBB 21-Jun-11
		(2320)	BF x 6	(1100)	WR			
		(3650)	LD x 6					
		(1350)	CC (billet) x 3					
		(1400)	CC (bloom) x 2					
		(2100)	STR x 3					
		(500)	WR					
	Expansion Project			(5000)	(Unlikely)		Shougang Changzhi Iron & Steel (Changgang), a subsidiary of Shougang in northern China's Shanxi province, received approval from the Shanxi provincial government to start an expansion project to replace some of its outdated capacity. The expansion will include the introduction of two 3,200 cu m blast furnaces and two 210-tonne converters. The project will be constructed in two phases. A company source suggests that in total approximately 5m tpy of new iron and crude steel capacity could be added when both phases are completed. It is looking to boost its total crude capacity to about 10m tpy by the end of 2015. New rolling mills – to be married to these upstream facilities – will be mainly for longs production.	SBB 04-Jan-11
				(5000)	BF x 2 LD x 2 Rolling			
<u>Shougang Flourish Colour Coating Corp</u>	Beijing					S/P	Shougang Flourish Colour Coating Corp is a joint venture founded by Shougang Corp subsidiary Shougang Holdings (Hong Kong) Limited and Hong Kong's Van Shung Chong Holdings.	
		(400)	HGL					
		(170)	Ptg					

Economy: **CHINA (64)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Shougang Guiyang Special Steel Co</u>	Guiyang, Guizhou	500	(special steel) EF x 2 LF x 2 BLM			S			
		(500)							
		(600)							
		(300)	CC (billet)						
		(200)	CC (bloom)						
		(300)	STR						
<u>Shougang Jingtang United Iron & Steel</u>	Caofeidian, Hebei	9700			(Firm)	S	2013	Shougang Jingtang is a 70-30 joint venture between northern China mill Shougang and Hebei province's state-owned coal miner Kailuan Group. Shougang Jingtang has begun hot trials on its third cold strip mill. The new mill can roll coil to width of 1,550mm and has a production capacity of 700,000 tpy. Its output will mainly target China's white goods sector. Jingtang's No.1 and No.2 cold mills have a combined capacity of 3.75 million tpy. The two mills are producing mainly commercial and automotive grade CRC.	SBB 17-Oct-13
		(9000)	BF x 2		(700)				
		(9700)	LD x 3		(476)				
		(3000)	LF		Tin plate x 2				
		(9300)	CC (slab) x 3						
		(9400)	Hot x 2						
		(3800)	Cold x 2						
		(1660)	HGL x 4						
		(170)	Ptg						
<u>Shougang Qianan Iron & Steel Co Ltd</u>	Qianan, Hebei	10600				S			
		(7800)	BF x 3						
		(10600)	LD x 5						
		(2500)	LF						
		(2000)	CC (billet) x 2						
		(8600)	CC (slab) x 4						
		(2000)	STR						
		(4500)	Hot						
		(1000)	Cold						

Economy: **CHINA (65)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Shougang Shuicheng Iron & Steel (Group) Co Ltd (Shougang Group)</u>	Lipanshui, Guizhou	5000				S		
		(3790)	BF x 4					
		(5000)	LD x 5					
		(2700)	CC (billet) x 4					
		(1500)	STR x 2					
		(1000)	WR x 2					
<u>Shougang Special Steel (Shougang Group)</u>						S		
	Shijingshan							
			EF					
			CC					
			BLM					
			STR					
			Cold					
<u>Shougang Yili Iron & Steel (Shougang Group)</u>								
	Yili, Xinjiang Uygur	570			1430 (Firm)	2012-13	Shougang Yili Iron & Steel (Yigang), Shougang's subsidiary in northwest China's Xinjiang Uygur autonomous region, held a groundbreaking ceremony for the first phase of its expansion project on 9 May 2011. The company plans to increase its production capacity from 570,000 tpy to 1.4 million tpy in 2012. In addition, the company will achieve a steel output capacity of 2 million tpy by 2013. The company plans to upgrade its two existing 30-t converters to 45-t and add a new 45-t converter to achieve the 2m tpy crude steel target. Downstream facilities including one 750,000 tpy bar mill and one 550,000 tpy wire rod mill will also be installed.	SO 08-Oct-12 SBB 11-May-11
		(570)	BF		(1430) LD			
		(600)	LD x 2		(750) STR			
			Hot		(550) WR			

Economy: **CHINA (66)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Yili, Xinjiang Uygur (Second expansion)				(3000)	(Unlikely)		2015	Once the first phase of the expansion project is completed, a second phase expansion will be launched to increase Shougang Yili Iron & Steel's integrated steel capacity to 5m tpy by the end of 2015. In addition, the company aims to become an integrated steel company producing coke, iron ore, pig iron and crude steel, with its finished steel products including beam, rebar, wire rod and strip, by 2015.	SO 27-Jul-12 SO 11-Jan-12 SBB 11-May-11
Shunde POSCO Coated Steel Co Ltd									
	Shunde, Guangdong						S/P		
		(280)	Silicon		(Firm)		2013	POSCO officially commissioned a new continuous galvanizing line at its Shunde works in Guangdong province, southern China, on April 15, 2013. POSCO Guangdong Automotive Steel has a design capacity of 450,000 tpy and is coating substrates sourced mostly from POSCO's Gwangyang works in Korea. The new CGL plant will operate alongside POSCO's other autosheet processing centers in China.	SBB 19-Apr-13 SBB 22-Mar-11
		(100)	HGL	(450)	HGL				
		(50)	Ptg						
Sichuan Chuanwei Group Co Ltd									
	Sichuan	3500					P		
		(2900)	BF x 4						
		(3500)	LD x 5						
		(3000)	CC						
		(1000)	Hot						
		(600)	Cold						
		(2000)	Silicon						
		(500)	STR						
			WR						

Economy: **CHINA (67)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Sichuan Desheng Group Iron & Steel</u>								
	Sichuan Desheng	1700						
		(1800)	BF					
		(1700)	LD					
		(1200)	CC (billet)					
		(500)	CC (bloom)					
		(1200)	STR					
		(500)	Plate					
	Yunnan Desheng	1200						
		(1500)	BF					
		(1200)	LD					
		(1100)	CC (billet)					
		(600)	STR					
		(500)	WR					
<u>Sichuan Southwest Stainless</u>								
	Leshan, Sichuan	600						
			(stainless steel)					
		(600)	EF					
		(600)	CC (slab)					
		(1800)	Hot					
<u>Sinosteel Corporation</u>								
	Shaoyang, Hunan							
					(Unlikely)	S	Sinosteel Group is planning to build a non-grain oriented silicon steel mill in Hunan province's Shaoyang City. It would target local downstream industries, such as white goods and transformer manufacturing. This electrical steel mill is designed to have a capacity of 160,000 tpy.	SBB 03-Sep-10
				(160)	Silicon			

Economy: **CHINA (68)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Tai Feng Qiao Metal Products Co Ltd</u>	Jieyang, Guangdong	(120)	ERW					
<u>Taiyuan Iron & Steel (Group) Co Ltd (Tisco)</u>		1500	(stainless steel)			S		
Shanxi New Linfen Iron & Steel		(1400)	BF x 5					
		(1500)	LD x 5					
		(810)	LF x 3					
		(1570)	CC (slab) x 3					
		(1200)	Plate					
Shanxi Taigang Stainless Steel		9700	(stainless steel)					
		(5900)	BF x 3					
		(7000)	LD					
		(2700)	EF x 5					
		(4600)	LF x 3					
		(650)	CC (bloom)					
		(6480)	CC (slab) x 6					
		(200)	WR					
		(270)	Plate					
		(7000)	Hot x 2					
		(1942)	Cold (strn) x 15					
		(400)	Silicon x 3					
<u>Tangshan Ganglu Iron & Steel</u>	Zunhua, Hebei	3000				P		
			BF					
		(3000)	LD					
			CC					
			Hot					

Economy: **CHINA (69)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Tangshan Guofeng Iron & Steel</u>								
	Tangshan, Hebei	6350						
		(6550)	BF					
		(6350)	LD					
		(1200)	CC (billet)					
		(5500)	CC (slab)					
		(1200)	STR					
		(7000)	Hot					
	Yinfeng	800						
		(900)	BF					
		(800)	LD					
		(800)	CC (billet)					
		(950)	STR					
<u>Tangshan Iron & Steel Co Ltd (Hebei Iron & Steel Group)</u>								
	Tangshan, Hebei	18000			(Firm)	S	China's Tangshan Iron & Steel (Tanggang), a subsidiary of Hebei Iron & Steel (Hegang), has started construction of a 1.3m tpy welded pipe plant in Tangshan city in northern China's Hebei province. The project is located in Caofeidian industrial district's Gangchi island, located 80 kilometers south of Tangshan city. It will cost RMB 7bn.	SBB 14-Apr-12
		(18000)	BF x 7		(1300)	SAW		
			LD x 10					
			CC (billet)					
			CC (slab)					
		(2450)	STR x 3					
		(1000)	WR x 2					
		(2700)	Plate x 2					
		(5000)	Hot x 2					
		(2100)	Cold x 2					
		(1250)	HGL x 3					
		(150)	P'tg					

Economy: **CHINA (70)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Tangshan Ruifeng Iron & Steel</u>								
	Tangshan, Hebei	3000						
			BF x 4			P		
		(3000)	LD x 3					
			CC					
		(3000)	Hot x 3					
<u>Tangshan Shougang Baoye Iron & Steel (Shougang Group)</u>								
	Tangshan, Hebei	6000			(Firm)	2012		
		(6900)	BF x 3		(2000) Plate			
		(6000)	LD x 3					
		(2200)	CC (billet) x 2					
		(1100)	CC (bloom)					
		(4200)	CC (slab) x 3					
		(1000)	STR					
		(1200)	WR x 2					
		(1600)	Plate					
<u>Tangshan Stainless Steel Co Ltd (Hebei Iron & Steel Group)</u>								
	Tangshan, Hebei	3000						S
			(stainless steel)					
		(2650)	BF					
		(3000)	LD					
			CC (slab)					
			Hot					
		(300)	Cold (str)					

Economy: **CHINA (71)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Tangyin Iron & Steel</u>								
	Tangshan, Hebei	2600				S/P	Tangyin Steel is a 51:49 joint venture between Tangshan Iron & Steel Group and Yinshui Iron & Steel.	
		(2600)	BF x 3					
		(2600)	LD x 2					
		(1050)	CC (billet) x 2					
		(600)	STR					
		(900)	WR					
			Hot					
<u>Tianjin Angang Tiantie Cold Rolled Sheets (Anshan I&S, Tianjin Tiantie JV)</u>								
	Binhai, Tianjin							
		(1580)	Cold					
		(320)	HGL					
		(310)	EGL					
		(150)	Ptg					
<u>Tianjin Metallurgy Group Co Ltd (Bohai Iron & Steel Group)</u>								
	No. 3 Steel & Youfa Iron and Steel Corp							
				2600 (Firm)		2012-13	On 16 May 2013, Tianjin Metallurgical No. 3 Steel & Youfa Iron and Steel Corp.'s blast furnace No. 2, successfully produced its first molten iron. Tianjin Metallurgical No. 3 Steel & Youfa Iron and Steel Corp. is a joint venture between state-owned Tianjin Metallurgy Group and Tianjin-based Youfa Iron and Steel Co. With the commissioning of its new blast furnace, the company now has two 1,260 cubic metre blast furnaces with a combined capacity of 2.4 million tpy. Blast furnace No. 1 was commissioned on 9 December 2012.	SO 17-May-13
				(2400)	BF x 2			
				(2600)	Steelmkg x 2			

Economy: **CHINA (72)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
		5000			(Firm)	2012-13	China's Tianjin Metallurgical No.1 Iron & Steel Group (Zhayi), part of Tianjin Metallurgical Group commissioned a 350,000 tpy electric resistance welded (ERW) pipe mill in 2012.	SBB 24-May-12 SBB 12-Jan-11
		(5000)	BF	(350)	ERW			
		(5000)	LD					
			CC					
			Hot					
			Cold					
			HGL					
			STR					
			SMLS					
Tianjin Pipe (Group) Corp. (Bohai Iron & Steel Group.)								
	Tianjin	2200						
			(stainless steel)					
		(600)	DR (SLRN)					
		(550)	BF					
		(2200)	EF x 2					
		(2200)	LF x 2					
		(1000)	CC (billet)					
		(1300)	CC (bloom)					
		(2500)	SMLS					
Tianjin Rockcheck Iron & Steel Co Ltd								
	Tianjin, Tianjin	3500			(Firm)	2012		
		(1000)	DR (SLRN)	(1400)	BF			
		(1000)	BF					
		(3500)	LD x 3					
		(3000)	LF x 3					
		(3430)	CC (bloom) x 3					
		(1200)	WR x 2					

Economy: **CHINA (73)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Tianjin Tiangang Group Co Ltd (Tianjin Iron & Steel) (Bohai Iron & Steel Group)</u>									
	Tianjin	6300							
		(4770)	BF x 3						
		(4000)	LD x 3						
		(2300)	EF x 2						
		(2300)	LF x 2						
		(3150)	CC (billet) x 3						
		(1150)	CC (bloom)						
		(2350)	CC (slab) x 2						
		(1500)	STR x 2						
		(1450)	WR x 2						
		(2000)	Plate x 2						
		(350)	Hot						
<u>Tianjin Tianguan Taiguang Welded Pipe</u>									
	Tianjin Binhai Industrial Zone				(Possible)				SBB 29-Apr-11
		(450)	ERW	(300)	SAW			Tianjin Pipe Group Corp (TPCO) started hot testing its first welded pipe plant in July 2011. The new plant is located in northern China's Tianjin Municipality and is the first phase of TPCO's welded pipe project. Its capacity is 450,000 tpy. Meanwhile, phase two of the project consists of a JCOE-type longitudinal submerged arc welded (LSAW) pipe mill – with a capacity of 300,000 tpy – and a 3PE coating mill.	

Economy: **CHINA (74)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Tianjin Tiantie Metallurgical Group Co Ltd (Bohai Iron & Steel Group)</u>								
	Shenxian, Hebei	8100		(Firm)		2013	Tianjin Tiantie Metallurgical Group, part of Tianjin Bohai Iron & Steel Group, built a second wire rod mill at its main operations in She county, in north China's Hebei province. The new mill is identical to its No.1 wire rod mill, with a capacity of about 600,000 tpy. The first was commissioned in 2009, and mainly produces material in diameters of 6-16mm.	SBB 04-Oct-11
		(8000)	BF x 9	(600)	WR			
		(8100)	LD					
			CC					
		(3800)	Hot					
		(600)	STR					
		(600)	WR					
<u>Tonghua Iron & Steel Group Co (Shougang Group)</u>								
	Jilin Iron & Steel	1100						
		(1100)	BF					
		(1100)	LD					
		(1100)	CC					
		(1000)	Hot					
		(200)	Cold					
	New integrated mill project			(2700)	(Unlikely)		Shougang signed a deal with the Tonghua Economic Development District to base its subsidiary Tonghua Iron & Steel's (Tonggang) new 2.7 million tpy integrated mill in the area. In July 2010, Shougang took over a 77.59% stake in Tonggang, located in Tonghua city in northeast China's Jilin province. The new base worth RMB 10 billion, is near Tonggang's current operations.	SBB 09-Sep-09
				(2500)	BF			
				(2700)	LD x 2			
				(1200)	CC (billet)			
				(1480)	STR x 2			
Panshi Seamless Steel Tube								
		(316)	SMLS		(Possible)			
Siping Steel Strip								
		(150)	Cold		(100)	Cold		

Economy: **CHINA (75)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	Tonghua Iron & Steel	6250						
		(3730)	BF x 5					
		(5650)	LD x 6					
		(600)	EF					
		(2900)	LF x 2					
		(2350)	CC (billet) x 6					
		(2400)	CC (slab)					
		(2900)	CC (tsc) x 2					
		(450)	STR					
		(500)	WR					
		(5600)	Hot x 3					
		(910)	Cold x 4					
		(300)	HGL					
<u>Tongling Fuxin Iron & Steel Co Ltd</u>								
	Anhui							
				1260 (Firm)			2012 Tongling Fuxin Iron & Steel in eastern China's Anhui province commissioned a 1.26 million tpy steel plant in 2012, including a 120-mt converter.	SBB 30-Jul-13
				(1260)	LD			
<u>Valin ArcelorMittal Automotive Sheet Co</u>								
	Loudi, Hunan							
					(Firm)	S/P	2014 ArcelorMittal, the Luxembourg-based steel producer, announced in 2012 that it was planning to increase the capacity of Valin ArcelorMittal Automotive (VAMA), its joint venture with Chinese steel producer Hunan Valin, by 25% to 1.5m tpy. ArcelorMittal agreed to supply technology in preparation for supplying the 1.5 million tpy cold strip mill and 500,000 tpy hot-dip galvanizing line due to be commissioned in May 2014 at the joint venture with Valin.	HP SBB 12-Mar-13 SBB 07-Jun-12
				(1500)	Cold			
				(500)	HGL			

Economy: **CHINA (76)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Valin ArcelorMittal Electrical Steels</u>	Loudi, Hunan				(Possible) (300) Silicon	S/P	2014	China's Valin Iron & Steel had earlier announced that it would strengthen its cooperation with ArcelorMittal (AM) to fulfil their agreement to build up their auto sheet and silicon sheet ventures. The auto venture would house a 1.5m tpy cold strip mill that would later be expanded. The other venture would have a 100,000 tpy capacity for grain-oriented silicon steel and a 200,000 tpy capacity for non-GO silicon steel in the first phase.	SBB 07-Jun-12 SBB 06-Sep-11
<u>Vallourec & Mannesmann Changzhou Co Ltd</u>	Changzhou, Jiangsu	(15) SMLS			(Firm) (45) SMLS	P	2013	Vallourec & Mannesmann (V&M) Seamless Steel Tube had earlier planned a large-diameter heavy thick alloy seamless pipe expansion project at its wholly owned subsidiary V&M Changzhou in Changzhou city in eastern China's Jiangsu province. The new facilities, part of the second stage of development at V&M Changzhou, mainly targeting China's domestic larger supercritical and ultra-supercritical power stations, will boost the plant's capacity from 15,000 tpy to 60,000 tpy. The project was expected to reach its designed capacity in 2013.	SBB 24-Jun-10
<u>Weifang Iron & Steel Group Co Ltd</u>	Weifang, Shandong	2700	(2020) BF x 2 (2700) LD x 2 (2400) LF x 2 (1350) CC (billet) (900) STR (600) WR						

Economy: **CHINA (77)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Weiyuan Iron&Steel Co Ltd</u>	Sichuan			(650)	(Firm) WR	2013		Siemens VAI Metals Technologies will supply the Weiyuan Iron & Steel Company with a new wire rod mill to expand annual production by 650,000 tpy. The new mill of the carbon products manufacturer will be located in Lianjie Industrial Park in Weiyuan, Sichuan. The project was expected to have begun in the spring of 2013.	NET 26-Sep-12
<u>Wisco-Nippon Steel Tinplate Co Ltd (Wuhan Iron & Steel, Nippon Steel JV)</u>	Wuhan, Hubei				(Firm) (800) Cold (400) Tin plate x 2	S/P	2014	The new electrolytic tinplate facility inside the Wuhan works of Wuhan Iron and Steel (Wugang), in central China's Hubei province, has begun commercial production. WISCO-Nippon Steel Tinplate Co (WINSteel), owned 50% each by Wugang and NSSMC, currently hosts an 800,000 tpy continuous cold-rolling mill, a 400,000 tpy continuous annealing and processing line (CAPL) and a 200,000 tpy electrolytic tinning line (ETL). Construction work is continuing on a second CAPL of the same 400,000 tpy capacity and a second ETL, both of which should be commissioned by July 2014.	HP 08-Jan-14 SBB 22-Jan-14
<u>WSP Holdings Ltd</u>	Bazhou Seamless Oil Pipes Co	(500)	SMLS 300						
	Chaoyang Seamless Oil Steel Casting pipes	(50)	DR (300) EF (300) CC (billet)						

Economy: **CHINA (78)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
Liaoyang Seamless Oil Pipe Co Ltd								
		(300)	SMLS					
Mengfeng Special Steel Co		600						
		(600)	Steelmkg					
		(600)	CC (billet)					
		(200)	SMLS					
Wuxi Seamless Oil Pipe Co Ltd								
		(450)	SMLS					
<u>Wuhan Iron & Steel Co Ltd (Wuhan Iron & Steel Group)</u>						S		
	Wuhan, Hubei	16500						
		(15100)	BF x 6					
		(16500)	LD x 10					
			LF x 5					
		(2100)	S/BLM					
		(2700)	CC (bloom) x 3					
		(14600)	CC (slab) x 10					
		(1850)	STR x 2					
		(850)	WR					
		(680)	Plate					
		(13430)	Hot x 4					
		(6450)	Cold x 4					
		(1003)	Silicon x 7					
		(1840)	HGL x 5					
		(450)	EGL x 2					
		(260)	Ptg x 2					
		(100)	SMLS					

Economy: **CHINA (79)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Wuxi Changjiang Sheet Metal Co Ltd</u>	Wuxi, Jiangsu	(1000)	Cold x 3						
<u>Wuyang Iron & Steel Co Ltd (Hebei Iron & Steel Group)</u>	Pingdingshang, Henan	5000				S			
		(5000)	EF x 2						
		(5000)	LF x 2						
		(3000)	CC (slab) x 3						
		(3000)	Plate x 2						
<u>Xiangtan Iron & Steel (Hunan Valin Iron & Steel Group)</u>	Xiangtan, Hunan	8400							SBB 01-Nov-10
		(7500)	BF x 4					Xiangtang Iron & Steel (Xianggang) commissioned its 5-metre wide plate mill in October 2010. With the commissioning of this new plate mill, Xianggang's total plate production capacity increased to about 5m tpy from the previous 3m tpy capacity of its two existing 3,600mm plate mills.	
		(8400)	LD x 7						
			LF x 3						
			CC (billet)						
			CC (slab)						
		(900)	STR						
		(2400)	WR x 3						
		(5000)	Plate x 2						

Economy: **CHINA (80)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Yangchun New Iron & Steel (Guangdong)		2400						Xiangtan Iron & Steel (Xianggang) subsidiary Yangchun New Iron & Steel has started operating its double-strand wire rod mill. Each strand has a capacity of about 600,000 tpy. A new 120t converter, with a crude capacity of about 1.2m tpy, was also brought on-stream to feed the new wire rod mill. A new 1,250 cubic meter blast furnace is designed to work with the converter. The company commissioned an 800,000 tpy bar mill in late January 2010. These newly commissioned facilities are all based at the mill's new production site in the Yangchuan Nanshan Industrial Park in Yangchun city.	SBB 13-Dec-10
		(2400)	BF						
		(1400)	LD						
		(1200)	CC						
			STR						
			WR						
Xilin Iron & Steel Group									
Acheng Iron & Steel		1000			1000 (Firm)		2012	Heilongjiang Province-based Chinese steelmaker Acheng Iron and Steel Co. (Acheng Steel), a subsidiary of Xilin Iron and Steel Co., has completed a hot trial test of its new converter and related equipment. The company also commissioned its 1,080 cubic meter blast furnace in January 2012. Designed maximum daily output capacity of the new blast furnace is about 3,000 mt.	SO 10-Jan-12 SBB 03-Mar-11
		(450)	BF		(1100)				
		(1000)	EF		(1000)				
		(1000)	CC (billet)		(1000)				
		(1000)	STR						
Xilin Iron & Steel		3500			(Firm)		2011-12	Xilin Iron & Steel, in northeastern China's Heilongjiang province, started building a mill to produce construction steel with a designed capacity of about 700,000 tpy a few years ago. The mill produces rebar or round bar with diameters up to 36mm. The estimated investment for the project was approximately RMB 199m.	SBB 20-May-10
			BF		(700)				
			LD						
			EF						
			CC (billet)						
			STR						
			WR						

Economy: **CHINA (81)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Xingtai Iron & Steel Co Ltd</u>	Xingtai, Hebei	3200						
			BF x 5 LD x 3 LF					
		(3200)	CC (billet) x 4 CC (bloom) x 2					
		(3100)	WR x 5					
<u>Xining Special Steel Group Co Ltd</u>	Xining, Qinghai	1600	(special steel)					
		(1000)	BF					
		(750)	LD					
		(850)	EF					
			LF					
		(1100)	CC (billet)					
		(600)	CC (bloom)					
		(490)	STR					
<u>Xinjiang Da'an Special Steel Co Ltd</u>	Xinjiang Uyghur							
				900 (Firm)		2013	Da'an Special Steel commissioned its new greenfield integrated steelworks in Hami city in far northwestern China's Xinjiang Uyghur autonomous region in August 2013. The new works is able to produce 800,000 tpy of wire rod. Major iron and steel facilities at the plant include a 1,080 cubic meter blast furnace, a 120-mt converter and a five-stand continuous caster. Da'an is one of several steel projects in Xinjiang that have been delayed because of difficulties in financing and overcapacity issues.	SBB 08-Aug-13
					BF			
				(900)	LD			
				(800)	CC			
					WR			

Economy: **CHINA (82)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
		capacity	equipment	capacity	equipment	Start-up date		
<u>Xinjiang Kunlun Iron & Steel</u>				1000 (Firm)		2013	Xinjiang Kunlun Iron & Steel, in northwestern China, commissioned a new rebar mill in May 2013, with a capacity of 1 million tpy. A 630 cubic meter blast furnace and two 60 mt converters had previously been installed. While the converters could be ramped up to produce over 1 million tpy of crude steel, the blast furnace could only produce some 800,000 tpy pig iron and this could limit rebar production.	SBB 16-May-13
				(800) BF				
				(1000) LD x 2				
				(1000) STR				
<u>Xinjiang Kunyu Iron & Steel</u>				1800 (Firm)		2013	Xinjiang Kunyu Steel owns three blast furnaces of 450 cubic meters, two converters of 50 tonnes, one 1.1 million tpy bars production line and one 70,000 tpy high speed wire rod production line. All of the projects are projected to be completed by the end of July 2013, when Kunyu Steel would boast 1.8 million tpy production capacity of pig iron, 1.8 million tpy capacity of crude steel and 1.8 million tpy of steel products.	SBB 08-Aug-13 GURU 10-Jul-13
				(1800) BF x 3				
				(1800) LD x 2				
				(1100) STR				
				(700) WR				
<u>Xinxing Ductile Iron Pipes Group Co Ltd</u>						S		
	Xinjiang Jinte Iron & Steel	1000			(Unlikely)	2013	Xinxing Ductile Iron Pipes (Xinxing) plans to increase finished steel capacity at its Xinjiang Jinte Iron & Steel wire rod and rebar plant, also in Xinjiang, from 1.5m tpy to 2m tpy by 2013.	SBB 21-Mar-12
		(1000) BF x 2						
		(1000) LD x 2		(500) Rolling				
		(1000) CC (billet)						
		(1200) STR						
		(300) WR						

Economy: **CHINA (83)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Xinxing Ductile Iron Pipes		3500							
			BF						
		(3500)	LD						
			CC						
		(2600)	STR						
		(700)	WR						
		1000							
Xinxing Ductile Iron Pipes			(special steel)						
Xinjiang Co			BF x 2						
		(1050)	LD	(2000)	(special steel)				
		(1050)	CC (billet)	(340)	Steelmkg				
		(600)	STR	(1400)	CC (round)				
		(500)	WR	(300)	STR x 2				
					Pipe				
							2014	Xinxing Ductile Iron Pipes Xinjiang Co. has kicked off the second phase of its 3 million tpy integrated steel project in northwestern China's Xinjiang Uygur Autonomous Region, with an opening ceremony on 6 September 2013. In the second phase expansion the Xinjiang operation plans to add an additional 2 million tpy to some 1 million tpy steel making capacity already commissioned at end-2011. The second phase will include capacity additions amounting to 900,000 tpy for bars, 500,000 tpy for sections, 300,000 tpy for ductile iron pipes and 340,000 tpy for round billets. The whole project was estimated to cost RMB 4.97 billion.	SBB 11-Sep-13 SBB 20-Nov-13

Economy: **CHINA (84)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Xinyu Iron & Steel Co Ltd</u>	Xinyu, Jiangxi	8920				S			
		(6820)	BF x 7						
		(8600)	LD x 8						
		(320)	EF x 2						
			LF x 5						
		(1540)	CC (billet) x 3						
		(300)	CC (bloom)						
		(6860)	CC (slab) x 5						
		(400)	STR						
		(950)	WR x 2						
		(2000)	Plate x 2						
		(2940)	Hot						
		(1200)	Cold						
		(250)	HGL						
<u>Xinyuan Stainless Steel Corp</u>						P			
	Gaoyao, Guangdong	200							
			(stainless steel)						
		(200)	IF						
		(240)	Hot						
<u>Xuanhua Iron & Steel Group Co Ltd (Hebei Iron & Steel Group)</u>						S			
	Zhangjiakou, Hebei	8200			(Firm)				SBB 06-Aug-10
		(8000)	BF x 8					2013 Xuanhua Iron & Steel (Xuangang) has placed an order with Siemens VAI for a double strand wire rod mill. The mill will have a capacity of about 1-1.2m tpy. Meanwhile, Xuangang is continuing construction of two new bar mills: one with a capacity of around 900,000 tpy and the other with a capacity of 700,000 tpy.	
		(8200)	LD x 6		(1600)				
			CC (billet)		(1200)				
		(1900)	STR x 3						
		(2150)	WR x 3						
		(650)	Hot						

Economy: **CHINA (85)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Yantai Baosteel Pipe Co Ltd (Baosteel Group Corp)</u>	Yantai, Shandong	(600)	SMLS					Yantai Baosteel Pipe (Yanbao) is a 600,000 tpy greenfield seamless pipe company located in eastern China's Yantai city in Shandong province. Yanbao is a relocation and upgrade project of Yantai Lubao Steel Pipe, a 300,000 tpy holding subsidiary of Baosteel.	SBB 10-Nov-11
<u>Yantai Donghai Steel Strip Co Ltd</u>	Yantai, Shandong	(220)	Cold						
<u>Yantai Lubao Steel Pipe Co Ltd (Baosteel Group Corp)</u>	Yantai, Shandong	(300)	SMLS					Lubao is a 300,000 tpy seamless maker in eastern China's Yantai city in Shandong province, and the major pipe operation of Baosteel outside of Shanghai. Baosteel is also building a new 600,000 tpy seamless pipe company Yantai Baosteel Pipe (Yanbao), which will take over Lubao's facilities and add new advanced rolling and finishing mills.	SBB 11-Jan-11

Economy: **CHINA (86)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Yichang Three Gorges Quantong Colored & Galvanized Plate Co Ltd</u>	Yichang, Hubei	(3200) (1600) (800)	Cold HGL Ptg	(1500) (800)	(Firm) Cold x 7 HGL x 4 Tin plate x 2	P	2011-12	Three Gorges Quantong Colored & Galvanized Plate Co., located in Hubei province's Yichang city, has started second-phase construction of its cold rolled and coated coil project. In the second phase, the company will add another seven cold strip mills with a combined capacity of around 1.5m tpy and four hot-dipped galvanizing lines with a total capacity of around 800,000 tpy. Meanwhile, two annealing lines, two tinning lines and two tin-free lines will also be built. The company commissioned phase one in May 2010 with a total cold rolled capacity of 3.2m tpy, HDG capacity of 1.6m tpy and colour coated capacity of 800,000 tpy.	SBB 17-Nov-10 HP
<u>Yieh Phui (China) Technomaterial Co Ltd</u>	Changshu, Jiangsu	(900) (600) (900) (360)	CAPL Cold x 2 HGL x 3 Ptg x 2	(300) (200)	(Unlikely) HGL Ptg	P		Chinese Taipei coated sheet producer Yieh Phui Enterprise plans to expand hot-dip galvanising and colour-coating capacities by 300,000 tpy and 200,000 tpy respectively at its Chinese subsidiary Yieh Phui (China) Technomaterial Co Ltd (YPT). Yieh Phui has applied to local Chinese authorities for approval of the expansion.	SBB 31-Jan-12
<u>Yongchang Iron & Steel Co Ltd</u>	Yunnan	2000	BF x 2 Steelmkg Rolling	(1000) (800)	(Firm) BF STR		2013	Yongchang Iron and Steel of Anning city (Yongchang), an integrated construction steel maker in southwestern China's Yunnan province, has commissioned its largest blast furnace with an inner volume of 1,080 cubic-meters. The new 1 million tpy BF was commissioned on August 20, 2013. A 800,000 tpy continuous rolling bar mill, which Yongchang commissioned in 2012 at an investment cost of RMB 255 million, is part of the same project.	SBB 29-Aug-13

Economy: **CHINA (87)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Yunnan Metallurgical Corp</u>	Kunming							
		(50)	HGL					
<u>Yunnan Yuxi Xianfu Iron & Steel (Group) Co Ltd</u>						P		
	Yuxi, Yunnan	2000						
		(2000)	BF					
		(2000)	LD					
			WR					
			STR					
			CC (billet)					
<u>Zhangdian Iron & Steel Works (Shandong Iron & Steel Group)</u>						S		
	Zibo, Shandong	2200						
		(2300)	BF x 2					
		(2200)	LD x 2					
		(2200)	CC (billet) x 2					
		(1200)	STR					
		(1200)	WR x 2					
<u>Zhangjiagang Pohang Stainless Steel Co Ltd (ZPSS)</u>								
	Zhangjiagang, Jiangsu	800						
			(stainless steel)					
		(800)	EF					
		(1000)	LF					
		(1000)	CC (slab)					
		(1200)	Hot					
		(620)	Cold (strn) x 6					

Economy: **CHINA (88)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Zhejiang Kingland Pipeline and Technologies Co Ltd</u>	Zhejiang	(760)	Pipe	(200)	(Firm) SAW	2013	Shenzhen-listed welded pipe maker Zhejiang Kingland Pipeline & Technologies, located in eastern China's Zhejiang province, has completed construction of its 200,000 tpy spiral submerged arc welded (SSAW) pipe mill in Huzhou city. The new RMB 593m mill represents the most advanced SSAW pipe equipment in China and it will produce SSAW pipes in grades up to X100, with diameter of 508-1,626mm and wall thickness of 6.0-25.4mm.	SBB 12-Mar-12 SBB 24-Jan-14
<u>Zhengzhou No.2 Steelworks</u>	Zhengzhou, Henan	(380)	STR					
		(220)	WR					
		(40)	Cold x 2					
<u>Zhengzhou Top Rolling Technology Co Ltd</u>								
Shanghai Top Precision Strip Steel		(300)	Cold					
Tianjin Top Precision Strip Steel		(350)	Cold		(Possible)			
Zhengzhou Top Precision Strip Steel		(300)	Cold	(2000)	Cold			

Economy: **CHINA (89)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Zhongyuan Special Steel Co Ltd</u>	Henan	200		(300)	(300) (Unlikely)	2015	Zhongyuan Special Steel (Zhongyuan) in central China's Henan province, plans to commission a 300,000 tpy steelmaking project in 2015. A new 60-mt electric arc furnace will be built to produce 200,000 tpy of continuous casting billet and 100,000 tpy ingots.	SBB 23-May-13
<u>Zhumadian Southern Steel-Making Plant Co Ltd</u>	Zhumadian, Henan	(200)	Steelmkg	(300)	EF (200) CC (billet)			
		1200						
			BF LD CC STR WR					
		(1200)						

Economy: **CHINESE TAIPEI**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Alchemy Steel Inc</u>	Yilan	(300)	STR					
<u>An Feng Steel Co Ltd</u>	Kaohsiung					P		
<u>Asia Pacific Lon Kang Steel Co Ltd</u>		(2000)	Hot					
		70	(special steel)					
		(70)	EF					
			Rolling					
<u>Chia Far Industrial Factory Co Ltd</u>	Taoyuan		(stainless steel)					
		(120)	Cold (strn)					
<u>Chia San Iron & Steel Industries Co Ltd</u>	Taoyuan							
		(78)	STR					
<u>Chien Shing Stainless Co Ltd</u>	Tainan		(stainless steel)					
		(150)	Cold (strn)					

Economy: **CHINESE TAIPEI (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Chien Shun Steel Co Ltd</u>	Miaoli	400						
		(400)	EF x 2 CC x 2 STR					
<u>Chih Lien Industrial Co Ltd</u>	Taoyuan							
		(126)	STR					
<u>Chin Ho Fa Steel & Iron Co Ltd</u>	Kaohsiung							
		(72)	STR					
<u>Chin Ling Steel Co Ltd</u>	Tao Yuan							
		(500)	STR					
<u>Chin Tai Steel Enterprise Co Ltd</u>	Kaohsiung	400						
		(400)	EF					
		(400)	LF					
		(400)	CC (billet)					

Economy: **CHINESE TAIPEI (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>China Steel Corp</u>	Kaohsiung	10300			(Firm)	S/P	2013-14	Chinese Taipei's China Steel Corp (CSC) will build a 150,000 tpy non grain-oriented silicon sheet mill at its Kaohsiung works in southern Chinese Taipei. CSC is in the midst of calling tenders for the supply of an annealing and pickling line, a reverse cold-rolling mill and an annealing and coating mill of 150,000 tpy each for the project. The project is expected to be completed in three years. Additionally, CSC has ordered a 270-tonne twin ladle furnace with a capacity of 1.94m tpy from SMS Mevac. It is scheduled for commissioning in March 2013.	SBB 22-Aug-11 SBB 21-Jul-11 HP
		(9940)	BF x 4	(1940)	LF				
		(10300)	LD x 6	(150)	Cold				
		(2160)	LF x 2	(150)	Silicon				
		(1800)	BTM						
		(1800)	CC (bloom) x 3						
		(11400)	CC (slab) x 7						
		(950)	STR x 2						
		(1000)	WR x 2						
		(1080)	Plate						
		(7700)	Hot x 2						
		(4500)	Cold x 4						
		(1100)	HGL x 3						
		(325)	EGL						
		(600)	Silicon x 3						
<u>Ching Fu Steel Enterprise</u>						P			
	Kaohsiung								
		(40)	STR						
<u>Ching Sang Iron Works</u>						P			
	Taipei	85							
		(85)	EF x 3						
			STR						
			CC						

Economy: **CHINESE TAIPEI (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Chung Hung Steel Corp (CSC Group, formerly Yieh Loong Enterprise.)</u>	Jenn An Steel Co Ltd (Kaohsiung)	(1200) (300)	Cold HGL					
	Kaohsiung	(2500) (480) (250)	Hot Cold x 2 ERW x 3					
<u>Dah Yung Steel Mfg</u>	Kaohsiung	160						
		(160)	EF x 2 CC WR STR					
<u>Dragon Steel Corp (CSC Group, formerly Kuei Yi Industrial Corp.)</u>	Taichung	5000			2000 (Firm)			
		(2550) (4000) (1000) (2400) (900) (900) (4000) (600) (3000)	BF LD x 2 EF LF x 2 CC (billet) CC (bloom) CC (slab) x 2 STR Hot		(2550) (2000) (2000) CC (slab)		2013 Dragon Steel Corp, a subsidiary of China Steel Corp (CSC), commissioned its 2.5 million tpy No. 2 blast furnace at its Taichung works on 5 March 2013. The second blast furnace is part of a TWD 20 billion second stage expansion and will be the sixth blast furnace operated by the CSC group.	SBB 06-Mar-13 SBB 12-Dec-12

Economy: **CHINESE TAIPEI (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>E-Sheng Steel Co Ltd</u>	Tainan	360						
		(360)	EF					
		(360)	CC (billet) STR					
<u>Ever Steel Enterprise Co Ltd</u>	Kaohsiung	(443)	STR					
<u>Feng An Metal Industries (An Feng Steel Group)</u>	Kaohsiung	(500)	STR			P		
<u>Feng Hsin Iron & Steel Co Ltd</u>	Taichung	1400	(1400) EF x 2 (1400) LF x 2 (1400) CC (billet) x 2 (1220) STR x 3 (140) WR					
<u>Froch Enterprise Co Ltd</u>	Tou-Liu	(120)	(stainless steel) ERW				Chinese Taipei stainless pipe producer. Froch Enterprise Co has acquired 45,000 sq m of land adjacent to its existing Touliu works in western Yunlin county in preparation for an expansion.	SBB 13-Jan-11

Economy: **CHINESE TAIPEI (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Fu Sheng Steel Industrial Corp</u>	Kaohsiung	(360)	STR					
<u>Gloria Material Technology Corp (formerly Gloria Heavy Industrial Corp.)</u>	Hsin Ying	100	(special steel) EF LF STR					
<u>Hai Kwang Enterprise Corp</u>	Chiahsing	(550)	STR			P		
	Kaohsiung	600		600 (Possible)			2014 One of Chinese Taipei's largest rebar producers. Hai Kwang Enterprise Corp. will double melting capacity to 1.2m tpy with a new 100-tonne EAF at its Siaogang works in southern Kaohsiung by the end of 2014. The expansion will see the company replace its existing 60-t EAF and add a 1.2m tpy billet facility that will allow the mini-mill to become self-sufficient in billets.	SEAIISI 10-Oct-11 SBB 10-Oct-11
<u>Han Tai Steel & Iron Works Co Ltd</u>	Han Tai and Pei Lin	(600)	EF x 2 LF CC (billet) STR	(600) (600)	EF CC (billet)			
<u>Jih Chia Industrial Co Ltd</u>	Yong-an, Kaohsiung		STR					
			EF					

Economy: **CHINESE TAIPEI (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Kai Ching Industry Co Ltd</u>	Kaohsiung	(90)	Ptg					
<u>Kao Hsing Chang Iron & Steel Corp</u>	Kaohsiung and Pintung	(600) (120)	Cold SAW			P		
<u>Kuei Hung Industrial Co</u>	Changhua	840						
		(840) (500)	EF x 2 STR x 5 ERW					
<u>Li-Chong Steel & Iron Works</u>	Chia-Yi	70				P		
		(70)	EF					
		(80) (100)	CC (billet) STR WR					
<u>Lung Ching Steel Enterprise</u>	Kaohsiung	500				P		
		(500) (500) (500) (500) (350)	EF LF CC (billet) STR WR					

Economy: **CHINESE TAIPEI (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Nan Lung Steel & Iron Corp</u>	Kaohsiung	10						
		(10)	EF					
		(10)	LF					
		(30)	STR					
		(60)	Plate					
<u>Ornatube Enterprise</u>	Kaohsiung					P		
		(460)	Cold x 2					
		(240)	HGL					
		(200)	EGL					
<u>Quintain Steel Co Ltd</u>	Tainan					P		
<u>San Wu Steel Industrial Co Ltd</u>	Shen-Kang Shiang	(400)	WR					
<u>Shang Shing Steel Industrial Co Ltd</u>	Kaohsiung	(60)	STR					
			Hot					
			Cold					
			HGL					
		(300)	Ptg					

Economy: **CHINESE TAIPEI (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Sheng Yu Steel Co Ltd (SYSCO)</u>	Kaohsiung					P			
		(500)	Cold x 2						
		(470)	HGL x 2						
		(220)	Pig x 2						
<u>Shyeh Sheng Fuat Steel & Iron Works</u>	Kaohsiung	420				P			
		(420)	EF						
		(420)	CC (billet)						
		(660)	STR						
<u>Suanchin Steel Industry Co</u>	Taipei	100				P			
		(100)	EF						
			CC						
			STR						
<u>Ta Chen Stainless Pipe Co Ltd</u>	Jeng-The, Tainan								
		(45)	(stainless steel)						
			ERW						
<u>Tai Lung Steel Manufacturing Co Ltd</u>	Taipei								
			EF x 2						
			STR x 2						

Economy: **CHINESE TAIPEI (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Tang Eng Iron Works Co Ltd</u>	Kaohsiung	300	(stainless steel) EF x 2 CC (billet) CC (slab) Cold x 3						
<u>Ton Yi Industrial Corp</u>	Tainan					P			
<u>Tong Shen Steel & Iron</u>	Taipei	(1400) (320)	Cold Tin Plate x 2			P			
<u>Tung Gen Steel Mfg Co Ltd</u>	Taoyuan	(180)	EF CC						
<u>Tung Ho Steel</u>	Guanyin, Taoyuan	(120) 1000	STR (1000) (1000) (1000) (800)			P		Chinese Taipei's largest H-beam producer, Tung Ho Steel Enterprise Corp. has fully commissioned its 1m tpy integrated steelworks in Guanyin in northwest Chinese Taipei's Taoyuan county. The Guanyin works houses a 1m tpy EAF-based melting and casting shop, and 800,000 tpy rolling capacity for rebars and other long products.	SBB 03-Dec-10

Economy: **CHINESE TAIPEI (11)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Kaohsiung	(730)	STR x 2						
	Miao-Li	910							
		(910)	EF						
		(800)	CC (billet)						
		(400)	CC (bloom)						
		(960)	STR						
<u>Tung Mung Development Co Ltd</u>						P			
	Tainan	(150)	Cold (strn) x 2						
<u>Walsin Lihwa Corp</u>						P			
	Hsin Chuang	(18)	STR		(Firm)			2013 Chinese Taipei's Walsin Lihwa Corp has ordered a stainless strip annealing and pickling line from Andritz as it gets ready to start construction of its pickling facility in Taichung in central Chinese Taipei in the second quarter of 2011. Commissioning of the 350,000-400,000 tpy facility is expected in the second quarter of 2013.	SBB 13-Apr-11 SBB 13-Dec-10
	Taichung				(350) CAPL				
	Yen Shiu, Tainan	400	(stainless steel)					Chinese Taipei's Walsin Lihwa Corp raised its melting capacity at Yen Shui by 50,000 tpy to 400,000 tpy after completing a revamp of its electric arc furnace in 2010.	SBB 13-Apr-11
		(400)	EF						
		(400)	CC (bloom)						
		(160)	STR						

Economy: **CHINESE TAIPEI (12)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Wei Chih Steel Industrial Co Ltd</u>	Tainan	700						
		(700)	EF					
		(700)	CC (billet) STR					
<u>Yieh Hsing Enterprise Co Ltd (E United Group.)</u>						P		
	Pingnan, Pintung	600						
		(600)	(stainless steel) EF					
		(600)	LF					
		(600)	CC (billet)					
		(150)	STR					
		(400)	WR					
<u>Yieh Mau Corp (E United Group.)</u>								
	Kaohsiung							
		(120)	Cold x 2					
<u>Yieh Phui Enterprise Co Ltd (E United Group.)</u>						P		
	Kaohsiung	800						
		(800)	EF					
		(800)	LF					
		(800)	CC (billet)					
		(1170)	Cold x 4					
		(1000)	HGL x 4					
		(470)	Ptg x 4					

Economy: **CHINESE TAIPEI (13)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Yieh United Steel Corp -Yusco- (E United Group)</u>						P		
	Kaohsiung	1000						
		(1000)	(stainless steel) EF x 2					
		(450)	LF					
		(550)	CC (billet)					
		(500)	CC (slab)					
		(900)	Hot					
		(520)	Cold x 6					
<u>Yuan Long Stainless Steel Corp</u>						P		
	Kaohsiung							
		(130)	(stainless steel) Cold (strn) x 2 CAPL					

Economy: **INDIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Aarti Steels Ltd</u>	Ludhiane, Punjab	150						
		(300)	DR (SLRN)					
		(150)	EF					
		(150)	CC (billet)					
<u>Adhunik Group</u>						P		
Adhunik Corporation (Durgapur, West Bengal)		200						
		(200)	DR					
			EF					
			WR					
AML - Adhunik Metaliks Ltd (Sundergarh, Odisha)					(Unlikely) (stainless steel)		Adhunik Metaliks is proposing to set up an industrial park for stainless and special steel at Chadriharipur in Sundergarh district in Odisha.	NET 05-May-11
					Hot			
					Cold (stn)			
					Pipe			
					Steelmkg			
AML - Adhunik Metaliks Ltd (Rourkela, Odisha)		450						
			(special steel)					
		(300)	DR					
		(180)	BF					
		(450)	EF					
		(450)	CC (billet)					
			STR					
			WR					

Economy: **INDIA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Integrated steel mill project in Karnataka			(2200)	(Unlikely)	2015	2015	Adhunik Metaliks signed a memorandum of understanding with the government of Karnataka to set up a greenfield steel plant at Deosugur village in Raichur district. The plant will have a total capacity to produce 2.2 million tonnes of steel per annum. The company plans to invest INR 55.68 billion in this project. Adhunik Metaliks expects the steel plant to be operational within five years.	SBB 07-Jun-10 GURU 05-Jun-10
	Integrated steel mill project in West Bengal			(1100)	(Unlikely)	2012 (1st phase)	2012 (1st phase)	India's Adhunik Corp has invested in a 1.1 million tpy integrated steel plant in the Purulia district of the eastern state of West Bengal. First phase commissioning was scheduled for the first quarter of 2012. Under the project's first stage, the Kolkata-headquartered company sets up a 500,000 tpy coal-based DRI plant. In a second phase, Adhunik hopes to add a further 600,000 tpy of DRI capacity, another electric arc furnace and more casters for billets as well as slabs for hot rolled coil and sheet production to increase finished steel capacity to 1.1m tpy.	SBB 10-Dec-09
<u>Akay Rolling Mills Pvt Ltd</u>	New Delhi			(1100)	DR EF CC (billet) CC (slab)				
		(42)	Rolling						P
<u>Allied Strips Ltd</u>	Bahadurgarh, Haryana	(300)	Cold						

Economy: **INDIA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Ambica Steels Ltd</u>	Sahibabad, Uttar Pradesh	80	(stainless steel) (80) EF LF					
		(75)	CC (billet)					
		(75)	STR x 2					
<u>AML Steel Ltd</u>	Integrated steel mill project in Jharkhand			(2000)	(2000) (Unlikely)	P		
	Karaikal	28		(2000)	Steelmkg			
	Pondicherry	(28)	IF					
		45						
		(45)	IF					
<u>Aparant Iron and Steel Pvt Ltd (Dempo group)</u>	Panaji, Goa					P		
		(150)	BF					
<u>Apeejay-Surrendra Group</u>	Durgapur	500				S/P		
		(150)	BF (mini)					
		(500)	LD					
		(500)	CC					
		(300)	WR					

Economy: **INDIA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Apex Tubes Pvt Ltd</u>	District Alwar, Rajasthan		ERW					
<u>APL Apollo Tubes Ltd</u>	Hosur, Tamil Nadu		ERW STR					
	Sikandarabad, Utter Pradesh		ERW STR					
<u>Apollo Metalex (APL Apollo Tubes Ltd Group)</u>	Sikandarabad, Utter Pradesh		HGL Pipe STR					
<u>ArcelorMittal steel mill projects</u>	Jharkhand			(12000) (Unlikely)		P	Over the past several years, ArcelorMittal has signed separate memoranda of understanding with the governments of three states to build a 6m tpy steel plant in Karnataka and 12m tpy plants in Jharkhand and Odisha. However, problems related to land acquisition, captive iron ore security, other challenges have caused significant delays. In July 2013, the company decided not to progress with the construction of the plant in Odisha, but indicated that it would continue to pursue its two other projects in Jharkhand and Karnataka.	SBB 30-Nov-10 HP 17-Jul-13

Economy: **INDIA (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Karnataka			(6000) (Unlikely)				HP 17-Jul-13
	Odisha			(6000) Steelmkg (12000) (Unlikely)			This project was cancelled by ArcelorMittal in July 2013.	HP 17-Jul-13

Arvind Pipes & Fittings Industries Pvt Ltd

Baroda, Gujarat

ERW
SMLS

Atlas Steel Tube Industries
Bawal, Haryana

P

(50) ERW x 2
Cold

AV Alloys Ltd

Medak district, Andhra Pradesh

1

(1) IF
(1) STR

AVN Tubes Ltd

Bhind District

(150) ERW x 3

Bhandari Foils & Tubes Ltd

Dewas, Madhya Pradesh

(stainless steel)
(20) Cold x 4
(18) SMLS x 12

Economy: **INDIA (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Bhansali Bright Bars Pvt Ltd</u>	Bhansali Stainless					P		
<u>Bharat Heavy Electricals Ltd</u>	Tiruchirapalli	(5)	WR			S		
<u>Bhartia Bright & Seamless Steels Ltd</u>	Calcutta	(56)	SMLS x 3					
<u>Bhiwadi Metal Rollwell Pvt Ltd</u>	Alwar, Rajasthan		(stainless steel) SMLS			P		
<u>Bhushan Power & Steel Ltd</u>	Chandigarh	(36)	Cold (strn)					
		50						
		(50)	EF					
		(40)	CC (billet)					
		(200)	STR					
			Cold					

Economy: **INDIA (7)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Cold rolling mill project in western India			(500)	Cold (Unlikely)			Bhushan Steel & Power (BPSL) is planning to build a 500,000 tpy automotive grade cold rolling mill on India's west coast. The plant will have an initial capacity of 300,000 tpy, rising to 500,000 tpy following upgrades and further development at an estimated cost of around USD 445 million. Two sites for the mill have been shortlisted: one in Gujarat state and one in Maharashtra state, both in western India.	MB 30-Mar-10 SBB 29-Mar-10
	Jharkhand project			(3000)	(Unlikely) BF Steelmkg Plate Hot STR			Bhushan Power & Steel Ltd (BPSL) is working to acquire land for its proposed 3m tpy integrated steelworks near Jamshedpur in the eastern state of Jharkhand. BPSL intends this works to produce hot rolled coils and plates. The firm requires a minimum of 607 hectares for the project but, faced with local resistance and delays, has been able to acquire only 162 hectares so far. However, anticipating that the remaining land will be quickly secured, BPSL has begun negotiations with plantmaker Paul Wurth for a 1,700 cubic metre blast furnace. The steelmaker also expects to place an order shortly for a 500,000 tpy rolling mill that will produce 60-250mm diameter bars.	SBB 05-Apr-10 SBB 16-Sep-08
	Kolkata		Cold HGL ERW						

Economy: **INDIA (8)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Sambalpur, Odisha	3000			(Firm)		2012	Bhushan Power & Steel Ltd (BPSL) has placed an order with Paul Wurth for a 1.3m tpy blast furnace with a working volume of 1,494 cubic metres.	SBB 15-May-12 SBB 21-Apr-10
		(1500)	DR (SLRN) x 8	(1300)	BF				
		(700)	BF						
		(3000)	EF x 4						
		(3000)	LF x 4						
		(500)	CC (billet)						
		(2500)	CC (tsc) x 2						
		(550)	STR						
		(250)	WR						
		(2500)	Hot						
		(700)	Cold						
		(500)	HGL						
Bhushan Steel Ltd (formerly Bhushan Steel & Strips.)									
	Asansol, West Bengal project						P		
				(6000)	(Unlikely)			Bhushan Steel Ltd (BSL) is planning a 6m tpy greenfield integrated steel mill in Asansol – also in West Bengal – to produce auto grade steel.	SBB 18-Mar-10 SBB 08-Jun-11 SBB 16-Dec-09
	Jharkhand project			(6000)	Steelmkg				
				(3000)	(Unlikely)			Land acquisitions for Bhushan Steel's proposed 3m tpy integrated plant in Jharkhand have faced delays.	SBB 20-Nov-08
	Karnataka project			(3000)	Steelmkg				
				(6000)	(Unlikely)			Bhushan Steel Ltd (BSL) has announced its plans for building a 6m tpy integrated steelworks in the southern state of Karnataka.	MB 28-Sep-10 SBB 18-May-10 SBB 12-Mar-10
	Khopoli, Mumbai	(425)	Cold x 2						
		(240)	HGL						
		(80)	Ptg						

Economy: **INDIA (9)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
		capacity	equipment	capacity	equipment	Start-up date		
Kolkata, West Bengal project					(Firm)		Indian steelmaker Bhushan Steel Ltd(BSL) is building a 500,000 tpy cold rolling and hot-dip galvanizing plant in Kolkata, West Bengal, with an investment of INR 8bn. Hot rolled coil feeds for this plant will be procured from BSL's upcoming hot strip mill at its existing DRI and billet works at Dhenkanal in the eastern state of Odisha.	SBB 18-Mar-10
	Odisha	2520		3000	(Firm)	2013	Bhushan Steel has added a 3,800 cubic metre blast furnace with annual capacity of 3 million tpy at its plant at Angul in the state of Odisha in 2013. The company is also in the process of increasing its cold rolling mill's capacity to about 2 million tpy.	NET 28-May-13 SBB 23-Dec-11 MB 09-Feb-12
		(1200)	DR (SLRN) x 8	(3000)	BF			
		(1250)	BF	(3000)	LD x 2			
		(2500)	EF x 2	(1500)	CC (slab)			
		(20)	IF	(1800)	Cold			
		(2500)	LF x 2					
		(3500)	CC (slab) x 3					
		(3000)	Hot					
Sahibabad, Uttar Pradesh		(475)	Cold x 2					
		(225)	HGL					
<u>Bihar Sponge Iron Ltd</u>		(150)	DR (SLRN)					
	Chandli, Bihar							
<u>Bmm Ispat Ltd</u>		(700)	DR (SLRN)	1100	(Firm)	2013	Indian steelmaker BMM Ispat has ordered an electric arc furnace and other melt shop equipment at its Danapur steelworks in the Hospet district of Karnataka state. In addition, the plant will have a 850,000 tpy merchant bar mill and is scheduled to begin operation by end-2013.	SBB 24-Jul-12
	Hospet, Karnataka			(1100)	EF			
				(1100)	LF			
				(1100)	CC (billet)			
				(850)	STR			

Economy: **INDIA (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>BP Steel Industries Pvt Ltd</u>	Maharashtra	(10)	(stainless steel) STR					
<u>Bright Bar Manufacturing Co</u>	Gujarat		(stainless steel) STR					
<u>British Super Alloys Ltd (Kanoi Group)</u>	Mehsana, Gujarat		(stainless steel) IF CC (billet) STR x 2					
<u>Caparo Tubes India (formerly Steel Tubes of India Ltd)</u>	Dewas, Madhya Pradesh					P		
<u>Chandan Steel Ltd</u>	Umbergaon, Gujarat	(85) 50	ERW (stainless steel) IF LF					
		(50) (50)	CC (billet) STR x 2					

Economy: **INDIA (11)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Charminar Steels Ltd</u>	Secunderabad	10							
		(10) IF (30) STR							
<u>Chittrakoot Speciality Tubes Ltd</u>	Ardak Dist, Andhra Pradesh		(stainless steel) (3) ERW x 3						
<u>Choksi Tube Co Ltd</u>	Gujarat		(stainless steel) SMIS x 4						
<u>Chowgule and Company Private Limited</u>	Goa				(Unlikely)				
					DR				
<u>Corporate Ispat Alloys Ltd (formerly Rajinder Steel)</u>	Chhattisgarh	400				P			SBB 26-Nov-09
		(400) EF (400) CC (slab) (300) Hot						Indian special and alloy steel longs producer Jayaswal Neco Industries Ltd (JNIL) became an integrated steel producer on 24 November 2009 when its board approved the merger of the various units that it was operating on lease. The board approved the consolidation of the sintering, steel melting and rolling facilities of Inertia Iron & Steel Pvt Ltd (IISPL), retrospectively effective from 31 March 2008. It also approved the merger of a 130,000 tpy DRI unit belonging to Abhijeet Infrastructure Ltd and a plant from Corporate Ispat Alloys Ltd (CIAL) respectively, from 1 April 2008.	

Economy: **INDIA (12)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Denholm Steels Ltd</u>	Maharashtra	(75)	ERW					
<u>Devi Metal Technologies</u>	District Solan, Himachal Pradesh	10	(stainless steel) (10) Steelmkg (60) Hot (36) Cold					
<u>Eastcoast Steel Ltd</u>	Pondicherry	100						
		(100)	EF					
		(100)	LF					
			CC (billet)					
<u>Electrosteel Castings Ltd</u>						P		
		(150)	BF					

Economy: **INDIA (13)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Electrosteel Steels Ltd</u>	Bokaro, Jharkhand			1470 (Firm)		P	2012-13	Electrosteel Steels Ltd (ESL) has signed a pact with China's Laitou Steel Group whereby the latter will assist in commissioning ESL's 2.51m tpy greenfield integrated steelworks in Bokaro, located in eastern India's Jharkhand state. Under the pact signed in Bokaro, plant commissioning was to begin in December 2011 and full-capacity production achieved within six months after that. ESL's Bokaro steelworks comprises two blast furnaces of 1,050 cubic metres each that would feed two 60-t BOFs. Crude steel would be fed into two five-strand billet casters with a combined capacity of 1,47m tpy.	SBB 17-Nov-11 HP
		54		(2200) (1470) (1470) (700) (500)	BF x 2 LD x 2 CC (billet) STR WR				
<u>Elora Steels Ltd</u>									
		(54) (62)	EF STR x 2						
<u>Essar Steel Ltd</u>	Hazira Pipe Mill Ltd					P			
		(600)	SAW x 2						
	Hazira Plate Mill Ltd	(1500)	Plate						MB 18-Jun-09
								The Hazira Plate mill Ltd (HPL) is a 76:24 joint venture between Essar Global and Stemcor of UK and has a capacity of 1.5 million tpy.	

Economy: **INDIA (14)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
	Hazira-A, Gujarat	4600						
		(6040)	DR (MIDREX) x 6					
		(4600)	EF x 4					
		(4000)	LF x 4					
		(3650)	CC (slab) x 3					
		(3400)	Hot					
		(1600)	Cold x 2					
		(500)	HGL x 2					
		5000						
	Hazira-B, Gujarat						India's Essar Steel completed the expansion of its integrated steelworks at Hazira in Gujarat state, lifting crude steelmaking capacity to 10m tpy from 4.6m tpy.	MB 05-Jan-12 SBB 06-Jan-12
		(850)	Corex					
		(1730)	BF					
		(5000)	EF x 2					
		(5100)	LF x 3					
		(3500)	CC (slab) x 3					
		(1500)	Plate					
		(3500)	Hot					
	Integrated steel mill project in Chhattisgarh			(3200)	(Unlikely)		The Essar group had earlier announced setting up a 3.2 million tpy greenfield steel plant in Bastar district, Chhattisgarh. The company intends to set up the plant in two phases of 1.6 million tpy each involving a total investment of around INR 6,000 crore.	BL 13-Jan-07 SBB 28-Aug-07 GURU 10-Dec-11
	Integrated steel mill project in Jharkhand			(3200)	Steelmkg			
				(6000)	(Unlikely)			
	Integrated steel mill project in Karnataka			(6000)	Steelmkg		Essar Steel has signed a memorandum of understanding with the government of Karnataka to set up a 6 million tpy steel plant. Essar's proposed project will have an initial capacity of 3 million tpy in a first phase which will include a pellet plant and coke ovens. The project will be feasible only if the government provides access to captive iron ore mines.	SBB 07-Jun-10 GURU 10-Dec-11
				(6000)	(Unlikely)			
				(6000)	Steelmkg			

Economy: **INDIA (15)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Integrated steel mill project in Odisha			(6000) (Unlikely)				
	Pune, Maharashtra (formerly Shree Precoated Steels Ltd)	(600) Cold x 3 (500) HGL x 2		(6000) Steelmkg			Indian integrated flat steel producer, Essar Steel Ltd, completed the acquisition of Shree Precoated Steels Ltd, a producer of cold rolled, galvanized and colour coated steel on 30 October 2009 paying nearly INR 12bn.	SBB 13-Nov-09
	<u>Facor Steels Ltd (Facor Group)</u>							
	Nagpur, Maharashtra	60		(500) (Unlikely)		P		
		(60) EF (60) LF (60) CC (billet) (80) STR x 2		(500) Steelmkg				
	<u>G K Steel & Allied Industries Ltd</u>							
	Madras							
			EF CC (billet)					
	<u>Gangotri Iron & Steel Co Ltd</u>							
	Bihta	120		(Unlikely)			Gangotri Iron and Steel Company part of the Gangotri group plans to invest INR 160 crore to make 120,000 tpy of TMT bars a year and wire rods at the recently acquired 14 acres at Bihta in Patna besides putting up 10 MW x 2 power plants using multi fuel burner.	GURU 28-Apr-10
		(120) IF (120) CC (billet) (133) STR		(120) STR				
	Jharkand			(Possible)				
				(100) DR				

Economy: **INDIA (16)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Pantna							
		(30)	STR					
<u>Gemini Steel Tubes Ltd</u>	Bangalore							
		(24)	ERW x 2					
<u>GKW Ltd</u>	Titilagarh, Odisha	162						
		(162)	EF					
		(175)	STR x 2					
<u>GL Engineering Industries Pvt Ltd</u>								
	Maharashtra							
			(stainless steel)					
			STR					
<u>Goldstar Steel & Alloys Ltd</u>								
	Mallividu, Andhra Pradesh							
		(220)	DR (Codir) x 2					
<u>Good Luck Steel Tubes Ltd (GLST)</u>								
	Gujarat							
					(Possible)	2012	Indian galvanizer and pipe producer, Good Luck Steel Tubes Ltd (GLST), has announced plans for a 100,000 tpy greenfield cold rolling and galvanizing plant in the western state of Gujarat. GLST signed a memorandum of understanding for the project with the Gujarat state government in January. The total investment in the project is envisaged at INR 1bn.	SBB 18-Feb-11
		(100)			Cold HGL			

Economy: **INDIA (17)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Uttar Pradesh	(150) (100) (120)	Cold HGL ERW					Good Luck Steel Tubes Ltd (GLST) presently operates three manufacturing units in northern India's Uttar Pradesh state, producing cold rolled coils, galvanized sheets and coils, electric resistance welded pipes and tubes, and galvanized black steel tubes. The total manufacturing capacity of these three units is about 1.44m tpy. About 35-40% of the company's output is exported.	SBB 18-Feb-11 HP
<u>Gopal Group</u>	Delhi	120 (120)	(stainless steel) IF CC (bloom) STR					Allied Holdings Pvt Ltd, Gopal Udyog Ltd and Parvati Ltd are part of the Gopal Group.	
<u>Graham Firth Steel Products (India) Ltd</u>	Maharashtra	(27)	Cold x 3						
	Mumbai	(16)	Cold x 3						
<u>Grand Foundry Ltd</u>	Maharashtra		(stainless steel) STR			P			
<u>Gujarat NRE Coke Ltd</u>	Kutch, Gujarat	300 (300) (300)	Steelmkg CC (billet) STR			P			

Economy: **INDIA (18)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>H.L. Nathurmal</u>	New integrated steel mill project in Karnataka			(1000)	(1000) (Unlikely)			
<u>Hardcastle and Waud</u>	Kalyan			(1000)	Steelmkg			
<u>Hindustan Foils Ltd</u>	Delhi	(50)	Ptg (stainless steel)					
<u>Hisar Metal Industries Ltd</u>	Hisar, Haryana	(16)	Cold x 2 (stainless steel)					
<u>Hospet Steels Ltd (A Joint Venture of Kalyani & Mukand)</u>	Gingera, Karnataka	400	BF x 2 EOF CC (billet) CC (bloom) BLM	(450)	(450) BF (450) Steelmkg			
					(450) (Unlikely)			

Economy: **INDIA (19)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>India Steel Works Ltd (formerly Isibars)</u>						P		
Special Steel Division (Khopoli, Maharashtra)		50	(stainless steel)					
		(50)	EF					
		(50)	LF					
		(50)	CC (billet)					
		(140)	STR x 2					
			WR					
<u>Indian Seamless Steels & Alloys Ltd</u>								
Pune, Maharashtra		200						
		(200)	EF					
		(200)	CC (bloom)					
			ERW					
			SMLS					
<u>ISMT Ltd</u>						P		
Ahmednagar & Baramati								
	Jejuri	(450)	SMLS					
		190						
		(190)	EF					
			LF					
		(200)	CC (bloom)					
			STR					
<u>Ispat Profiles Ltd</u>						P		
Maharashtra		250						
		(250)	EF					
			STR					

Economy: **INDIA (20)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
		capacity	equipment	capacity	equipment	Start-up date		
<u>IUP Jindal Metals & Alloys Ltd (Jindal Saw & IUP JV)</u>								
	Bahadurgarh, Haryana	(18)	Cold (stm)			P	This joint-venture was formed in August 2004 and is dedicated to precision rolling of stainless steel and alloy strips. This new plant has a capacity of around 1,500 tonnes per month and represents a total investment of around USD 18 million. The partnership is shared between Jindal Saw Limited (73%), and Arcelor's fully owned subsidiary IUP (Imphy Ugine Precision) (27%).	
<u>Jai Balaji Industries Ltd</u>								
	Chhattisgarh project			(1000)	(Unlikely)	P		
	West Bengal project			(1000)	Steelmkg 2000 (Possible)		2013 Jai Balaji Industries Limited (JBIL) announced it had successfully secured funding for the first 2m tpy phase of its 5m tpy greenfield plant in Purulia, in West Bengal. The initial phase was mostly financed through a consortium of banks headed by State Bank of India.	SBB 02-Dec-10 SBB 24-Jan-11
	West Bengal, Jharkhand, Chhattisgarh	900	(special steel)					
		(150)	DR					
		(600)	BF					
		(900)	EF					
		(900)	CC (billet)					
		(125)	STR					
		(125)	WR					

Economy: **INDIA (21)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Jai Corp Ltd (Sipta Coated Steels Division)</u>	Mumbai, Maharashtra	(100)	Cold (100) HGL						
<u>Janki Corp Ltd</u>	Bellary, Karnataka	(180)	DR						
<u>Jayaswal Neco Industries Ltd</u>		(130)	DR						
Abhijeet Infrastructure Ltd		(183)	DR						
Corporate Ispat Alloys Ltd (DRI unit)		400	(special steel) EF CC STR						
Inertia Iron & Steel Pvt Ltd								Indian special and alloy steel longs producer Jayaswal Neco Industries Ltd (JNIL) became an integrated steel producer on 24 November 2009 when its board approved the merger of the various units that it was operating on lease. The board approved the consolidation of the sintering, steel melting and rolling facilities of Inertia Iron & Steel Pvt Ltd (IISPL), retrospectively effective from 31 March 2008. It also approved the merger of a 130,000 tpy DRI unit belonging to Abhijeet Infrastructure Ltd and a 183,000 tpy plant from Corporate Ispat Alloys Ltd (CIAL) respectively, from 1 April 2008.	SBB 26-Nov-09
Integrated steel mill project in West Bengal				(3200)	(Unlikely)				
				(3200)	Steelmkg				

Economy: **INDIA (22)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	Raipur, Chhattisgarh	400		570 (Possible)	570 (Possible)	2013	India's Neco Group plans to build a 570,000 tpy electric arc furnace in Raigarh, Chhattisgarh state.	HP MB 04-Aug-09
		(255)	DR	(570)	EF			
		(750)	BF	(570)	LF			
		(400)	EF	(570)	CC (bloom)			
		(125)	STR	(400)	STR			
		(575)	WR					
Jindal Stainless Ltd								
	Hisar, Haryana	720						
			(stainless steel)					
		(720)	EF x 2					
			LF x 2					
		(720)	CC (slab) x 2					
		(720)	Hot x 2					
		(400)	Cold (stn) x 3					
	Kalinga Nagar, Odisha							
				800 (Firm)	800 (Firm)	2012	Jindal Stainless Limited (JSL) was reported to have started operating its 800,000 tpy greenfield integrated works at Kalinganagar in east India's Odisha state. The company has also commissioned its 800,000 tpy hot rolling mill and 400,000 tpy cold rolling mill at the works.	HP SBB 26-Apr-11 SBB 05-Apr-12
			(stainless steel)					
		(600)	BF					
		(400)	LD					
		(400)	EF					
		(800)	LF					
		(800)	CC (slab)					
		(800)	Hot					
		(400)	Cold (stn)					
	Special Products Division (Hisar)	(25)	Cold					

Economy: **INDIA (23)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Jindal Steel & Power Ltd</u>									
	Angul, Odisha project (1st Phase)	(1500)	Plate	(1800) (2500) (2500) (1800)	DR (MIDREX) EF LF CC (slab)	P	2013	Jindal Steel & Power Ltd (JSPL) commissioned a 250-metric ton electric arc furnace at Angul in the eastern state of Odisha in August 2013 as part of its new 6 million tpy integrated steelworks. The EAF has a production capacity of 2.5 million tpy and is India's largest. The furnace is also the second largest in Asia, smaller only than some Japanese furnaces.	SBB 08-Aug-13 SBB 06-Feb-12 SBB 03-Apr-12
	Angul, Odisha project (2nd Phase)			(6300) (Unlikely)				Jindal Steel & Power Ltd (JSPL) made an order in May 2013 from SMS Siemag to supply a basic oxygen converter shop with a capacity of 3.8 million tpy at Angul (in eastern India's Odisha state). JSPL is currently commissioning a 250-nt electric arc furnace at the Angul plant, and the works will eventually host a second EAF and a 3 million tpy blast furnace. The company also plans to install a second DRI plant with 2.75 million tpy capacity which will be commissioned by 2015.	SBB 15-May-13 HP 13-May-13 SBB 06-Feb-12
	Asanboni, Jharkhand			(5000) (Unlikely)			2016	India's Jindal Steel & Power Ltd (JSPL) is also building another 5m tpy integrated steelworks at Asanboni in Jharkhand's East Singhbhum district, some 400km east of Patratu. Land acquisition is underway. Output will include both flat and long products.	SBB 06-May-10 HP SBB 06-Oct-11
	Patratu, Jharkhand	(1000) (600)	STR WR	(3300) (3000) (3000) (3200)	BF LD x 2 LF x 2 CC (billet) x 2		2014	India's Jindal Steel & Power Ltd (JSPL) is setting up a 3m tpy integrated steelworks at Patratu. The steelworks will include a 4,109 cubic metre blast furnace from Siemens VAI that will produce 3.3m tpy of hot metal and feed a 3m tpy converter shop ordered from China Metallurgical Group Corp. The steelmaking shop will feed a 1.6m tpy billet caster being supplied by Siemens SMS Concast. JSPL will also install a second caster to feed a 1.4-1.5m tpy heavy bar mill that the firm is planning for Patratu.	SBB 21-Dec-10 SBB 11-Jul-13 SBB 03-Oct-11

Economy: **INDIA (24)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Raigarh, Chhattisgarh	2760		(4240) (Unlikely)				JSPL operates a 3 million tpy steelworks at Raigarh in Chhattisgarh state. The mill's capacity is being raised to 7 million tpy.	SBB 26-Apr-11 SBB 11-Jul-13 HP
		(1320)	DR x 10		DR				
		(1670)	BF x 2		BF				
		(2760)	EF x 3	(4240)	EF				
		(2360)	LF x 3		CC (isc)				
		(1000)	CC (billet)		Hot				
		(800)	CC (bloom)		STR				
		(1000)	CC (slab)						
		(1350)	STR x 2						
		(1000)	Plate						
	JSW - Jindal South West Steel Ltd (Jindal Group)					P			
	Electrical sheet mill project (Vijayanagar, Karnataka)				(Firm)		2014	India's JSW Steel and Japan's JFE Steel announced the signing of an agreement under which the Japanese mill will supply technology for a new 600,000 tpy electrical steel manufacturing unit that the Indian firm is building at its integrated steelworks at Vijayanagar, in the southern state of Karnataka. A new annealing and coating line for electrical steel sheets will be started up in the latter half of 2014. Output will initially comprise 200,000 tpy of cold rolled non-oriented (CRNO) steel, and production will gradually be ramped up to full capacity.	SBB 18-Dec-12 SBB 13-Mar-12
				(600)	Silicon				
	Integrated steel mill project in Jharkhand			(10000) (Unlikely)				India's JSW Steel is planning to build a 10m tpy steel plant in Jharkhand. The company is currently pursuing various approvals and clearances to obtain captive mines that will ensure raw material security.	SBB 05-Oct-09 HP
				(10000)	DR				
		(10000)	BF x 4						
		(10000)	LD x 3						
			LF x 3						
		(10000)	CC (slab)						

Economy: **INDIA (25)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
	Integrated steel mill project in West Bengal			(10000)	(Unlikely)		JSW Steel was expected to begin the first phase construction of its 10m tpy greenfield integrated steelworks at Salboni, in the eastern state of West Bengal in October 2012. In the first phase, the steelworks would have 3m tpy of steel capacity with one 4,020 cubic metre blast furnace, with the second and final phase seeing another two 4,020 cubic metre furnaces added. However, the project was reported to be facing delays due to uncertainties related to iron ore supply to the plant.	SBB 12-Jun-12 NET 29-Apr-13 SBB 13-Oct-11
	Salem Works (formerly Southern India Steel Co Ltd) (Tamil Nadu)	860						
		(990)	BF x 2					
		(860)	LD x 2					
		(300)	LF x 2					
		(500)	BLM					
		(900)	CC (bloom) x 2					
		(500)	STR					
	Tarapur, Maharashtra							
		(360)	Cold x 5					
		(420)	HGL x 4					
	Vasind, Maharashtra							
		(350)	Cold x 2					
		(350)	HGL x 2					

Economy: **INDIA (26)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Vijayanagar, Karnataka		9600		(2400)	(Unlikely)			India's JSW Steel is slowing expansion work at its Vijayanagar steelworks in the southern state of Karnataka owing to a lack of guaranteed iron ore supplies. Crude steel production capacity at Vijayanagar was to be lifted to 12 million tpy from 10 million tpy, with the expansion set for completion in 2013. The expansion was to be achieved partly through the installation of a 1.2 million tpy direct reduced iron plant and partly through work on three of the plant's blast furnaces.	SBB 19-Mar-13
		(8400)	BF x 4	(1200)	DR				SBB 18-Dec-13
		(9600)	LD x 7	(2400)	Steelmkg				SBB 13-May-11
		(6100)	LF x 4	(1400)	CC (slab)				SBB 22-Dec-11
		(1700)	CC (billet)	(1500)	Plate				
		(8200)	CC (slab) x 6	(2300)	Cold				
		(1000)	STR	(400)	HGL				
		(600)	WR						
		(8200)	Hot x 2						
		(850)	Cold						
	(250)	HGL							
JSW Ispat Steel (formerly Ispat Industries Ltd)									
	Dolvi, Maharashtra	3300		(4400)	(Unlikely)	P		India's JSW Steel is looking to ramp crude steelmaking capacity to 8m tpy at the integrated flat product works of subsidiary company JSW Ispat Steel in Dolvi in the western state of Maharashtra, up from 3.3m tpy presently. The expansion at Dolvi would be undertaken after the merger of JSW Steel and JSW Ispat has been completed.	HP SBB 22-Dec-10 SBB 26-Feb-12
		(1100)	DR (MIDREX)	(4400)	Steelmkg				
		(2300)	BF						
		(3300)	EF x 2						
		(3300)	LF x 2						
		(3300)	CC (slab) x 2						
		(3300)	Hot						
	Integrated steel mill project in Jharkhand			(2800)	(Unlikely)			Ispat Industries signed a Memorandum of Understanding with the Jharkhand government in 2007 for a 2.8 million tpy integrated plant there. Plans also included raising capacity to 5m tpy at a later stage.	SBB 16-Jul-08 MB 15-Jul-08
		(275)	Cold x 2						
		(250)	HGL						
		(60)	Ptg						
	Kalmeshwar, Nagpur, Maharashtra			(2800)	Steelmkg				

Economy: **INDIA (27)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Kajaria Iron & Steel Co Pvt. Ltd</u>	Durgapur, West Bengal	(110)	BF					
<u>Kalyani Carpenter Special Steels Ltd</u>	Pune, Maharashtra	240	(special steel) EF x 2 (120) LF (300) CC (bloom)					
<u>Kalyani Gerdau Steels Ltd</u>	Tadipatri, Andhra				275 (Firm)	P	2013 Kalyani Gerdau Steels, the Indian special and long steels subsidiary of the Brazilian steel company Gerdau, has begun commercial production at its integrated steel plant that has a capacity of 275,000 tpy. The plant is located at Tadipatri in the State of Andhra Pradesh, India. The plant consists of iron and steel making facilities and manufactures steel via the BF – BOF – LRF – CCM route.	SBB 25-Feb-13
<u>Kalyani Steels Ltd</u>	Gingera, Karnataka	670	BF (670) EOF CC (bloom) STR					
	Siruguppa, Karnataka	(110)	BF				Kalyani operates a 670,000 tpy integrated works at Gingera, producing alloy steel bars for the automobile industry and rounds for seamless tubemaking.	SBB 18-Jun-12

Economy: **INDIA (28)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Special steel plant project in Karnataka			(6000)	(Unlikely)		Kalyani Steels Ltd has signed memoranda of understanding with the Karnataka state government for building two steelworks each with a capacity of 3m tpy. One of the plants will be established in Koppal district and is planned to produce a mix of carbon and alloy steels. The other would be set up in Yadgir district and would also produce stainless steels.	SBB 18-Jun-12
<u>Kamdhenu Ispat Ltd</u>	Bhiwadi, Rajasthan	(72)	STR		(special steel) Steelmkg		Kamdhenu Ispat is a manufacturer of thermo mechanically treated (TMT) bars with a plant capacity of 72,000 tpy and ingot manufacturing capacity of 22,500 tpy. The company has franchisee arrangement with 32 entities to manufacture TMT/HSD (high strength deformed bars) bars with combined capacity of 1.5 million tonnes.	NET
<u>Kamineni Steel and Power India Pvt Ltd</u>	Marketapally, Andhra Pradesh			360	(Firm)	2013	Kamineni Steel and Power India Pvt Ltd is setting up a 360,000 tpy round billet manufacturing plant and also proposes to set up a 220 MW gas based power plant in Marketapally, Andhra Pradesh. The facilities would be adjacent to the group's companies Oil country Tubular Limited (OCTL) and United Seamless Tubular Private Limited (USTPL). The company has started building the billet manufacturing plant in April 2011 and planed to commission it by March 2013.	NET

Economy: **INDIA (29)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Kanishk Steel Industries Ltd</u>	Mayiladuthurai in Tamil Nadu	30						
		(60)	DR					
		(30)	IF					
			BTM					
		(200)	STR x 2					
<u>KAP Steel Ltd</u>	Andhra Pradesh	60						
		(60)	EF x 2					
		(100)	CC (billet)					
<u>KIOCL Ltd (formerly Kudremukh Iron Ore Co.)</u>	Mangalore					S		SBB 23-Apr-13
		(216)	BF				The Indian state-owned producer of iron ore pellets KIOCL (formerly Kudremukh Iron Ore Co) operates a 216,000 tpy pig iron works at Mangalore in the neighboring state of Karnataka.	
<u>KIOCL Ltd & United Rajpur Steel India Pvt Ltd JV</u>	Karnataka greenfield project				(5000) (Unlikely)			
					(5000) Steelmkg			
<u>Kirloskar Ferrous Industries Ltd</u>	Hospet, Karnataka	(280)	BF x 2					
<u>KR Steelunion Ltd</u>	Gujarat	(100)	Cold					

Economy: **INDIA (30)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Maharashtra							
	West Bengal	(150) 72	Tin Plate					
		(72) (36) (72) (120) (20)	EF x 2 LF CC (billet) STR x 2 WR					
<u>Kumar Steels</u>	Haryana	12	(12) IF BTM (12) STR (12) Plate				(stainless steel)	
<u>Kumar's Metallurgical Corp</u>	Nalgonda District, Andhra Pradesh	(60)	DR x 2					
<u>Lanco Industries Ltd</u>	Tirupati, Andhra Pradesh	(90)	BF					

Economy: **INDIA (31)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Lloyds Line Pipes Ltd</u>	<u>(APL Apollo Tubes Ltd Group)</u>								
	Murbad, Maharashtra	(90)	ERW					APL Apollo Tubes completed the acquisition of Lloyds Line Pipes, a Maharashtra-based manufacturer of steel tubes and pipes. The acquisition, valued at Rs 40 crore, was completed in an all cash deal instead of part cash-part equity.	BS 19-Nov-10
<u>Lloyds Metals & Engineers Ltd</u>	Ghughas, Maharashtra	(270)	DR						
<u>Lloyds Steel Industries Ltd</u>	Wardha, Maharashtra	760	(760) EF x 2 (1000) LF x 2 (1000) CC (slab) (780) Hot (300) Cold x 2 (250) HGL x 2						
<u>Maharashtra Seamless Ltd</u>	Billet plant project in Karnataka			(500)	(Unlikely)			Maharashtra Seamless Ltd (MSL), India's largest seamless pipe producer, plans to build a 500,000 tpy steel plant to supply round billet for its pipe-making. The proposed plant at Kurnekere in Koppal district of Karnataka state is expected to require an investment of around INR 30 billion, which will be funded through debt, reserves and internal accruals. The plant is expected to be commissioned three years from start of construction.	MB 06-May-09 SBB 19-May-09 SBB 06-Jun-11

Economy: **INDIA (32)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Maharashtra		(stainless steel)		(Firm)	2012	India's Maharashtra Seamless Ltd (MSL) is installing in its works a 200,000 tpy seamless tube plant from Romania.	MB 24-Feb-09 GURU 04-Jun-11
<u>Mahindra UGINE Steel Co Ltd (Musco)</u>	Khopoli, Maharashtra	240						
		(350)	SMLS	(200)	SMLS			
		(200)	ERW					
			(special steel)					
		(240)	EF					
			LF					
			CC (billet)					
			BLM					
			STR					
<u>Malhotra Steel Industries Ltd</u>	Khopoli, Maharashtra	200						
		(200)	EF x 2					
		(100)	CC (billet)					
<u>Man Industries (India) Ltd</u>	Pithampur and Anjar							
		(1000)	SAW					
<u>Mardia Samyoung Capillary Tubes Co Ltd</u>	Dadra & Nagar Haveli							
		(1)	(special steel) ERW					

Economy: **INDIA (33)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Marmagao Steels Ltd</u>	Goa	110							
		(110)	EF						
		(110)	CC (billet)						
		(75)	STR						
<u>Mehta Intertrade Steels Pvt Ltd</u>	Mumbai					P			
		(50)	ERW x 2						
<u>Mesco Steel</u>						P			
	Mid-east Integrated Steel Ltd	1200			(2300) (Unlikely)			Mid-east Integrated Steel Ltd, a Mesco Group firm, plans to expand steelmaking capacity at Kalinganagar to 3.5 million tpy in five years. The company has already started upgrading its pig iron making facility at Kalinganagar and raise its capacity to 1.2 million tpy. In the second phase, the company will install one blast furnace of a size of 3200 cubic meters, a sinter plant capable of producing 3.3 million tpy, a coke oven battery capable of producing 1.50 million tpy, two BOF converters of 100 tonnes capacity each, another 5-strand billet caster and a slab caster.	GURU 02-Aug-13 HP
		(1200)	BF		BF				
		(1200)	LD		(2300) LD x 2				
		(1200)	CC (billet)		CC (billet)				
			STR		CC (slab)				
<u>Metalman Industries Ltd</u>									
	Coated Products Division, Dhar								
		(70)	HGL						
	Cold Rolled Strip Division, Dhar								
		(100)	Cold						

Economy: **INDIA (34)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Pipe Division, Indore							
<u>Mishra Dhatu Nigam Ltd</u>	Andhra Pradesh	(75)	ERW x 3			S		
		5	(stainless steel)					
		(5)	EF					
		(1)	IF					
			Hot					
			Cold (strn)					
			WR					
<u>Modern Steels Ltd</u>		100						
	Mandi Gobindgarh, Punjab							
		(100)	EF x 2					
		(100)	LF					
		(100)	CC (billet)					
		(50)	STR x 2					
<u>Modi Industries Ltd</u>						P		
	Modi Modinagar							
			EF					
		(120)	CC (billet) x 2					
<u>Mohan Steels Ltd</u>		120						
	Uttar Pradesh							
			(stainless steel)					
		(120)	IF x 3					
		(120)	LF					
		(120)	CC (billet)					
		(120)	WR					

Economy: **INDIA (35)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Monga Steel Pipe Industries</u>	Muzaffar Nagar							
		(5)	ERW x 2					
<u>Monnet Ispat & Energy Ltd</u>	Greenfield project in Jharkhand			(1500)	(1500) (Unlikely)		In 2003, Monnet Ispat & Energy Ltd (MIEL) signed a memorandum of understanding with the Jharkhand state government to set up a 1.5 million tpy direct reduced iron-based steelworks. Since then, MIEL has had to twice choose a different site for the project due to issues pertaining to the lack of associated water supply. The state government had also backtracked on granting iron ore mining approvals, and recourse to legal action on the issue had proved futile. It is reported that the company is contemplating canceling the steelworks project.	SBB 23-Jul-13 GURU 18-Sep-10
				(1500)	Steelmkg			
						2013	Monnet Ispat & Energy Ltd (MIEL), a major Indian sponge iron producer, plans to import steel billet to feed a new 500,000 tpy rebar mill it plans to commission at Raigarh, in Chhattisgarh state. The mill will be the first unit of its 1.5 million tpy brownfield integrated steelworks project at Raigarh. Upstream facilities to be commissioned at Raigarh include a 550 cubic metre blast furnace and an electric arc furnace. It will also host a 700,000 tpy plate mill, scheduled for commissioning in 2013.	SBB 23-Jul-13 SBB 30-Oct-12
	Raigarh, Chhattisgarh	(300)	DR		1500 (Firm) (1500) BF (1500) EF CC (500) STR			
	Raipur, Chhattisgarh	900						
		(1000)	DR					
		(750)	BF					
		(900)	EF					
		(500)	CC (billet)					
		(650)	STR					

Economy: **INDIA (36)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>MSP Group</u>								
Ashirvad Steels & Inds Ltd		(150) (150)	BF DR					
Chaman Metallics Ltd		(45)	DR					
Howrah Gases Ltd		50						
MSP Metallics Ltd		(60) (50) 260	DR LD					
		(240) (150) (260) (260) (250)	DR BF LD CC (billet) STR					
MSP Rolling Mills Pvt Ltd		(24)	STR					
MSP Steel & Power Ltd		150						
		(200) (150) (150) (90)	DR LD CC (billet) STR					
MSP Steels Pvt Ltd		50						
		(50) (50)	IF STR					

Economy: **INDIA (37)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Mukand Ltd</u>	Ginigera, Karnataka	350				P		
		(300)	BF x 2					
		(350)	LD x 2					
		(340)	LF x 2					
		(170)	CC (billet)					
		(170)	CC (bloom)					
	Kaiwe, Maharashtra	250						
			(stainless steel)					
		(250)	EF					
		(250)	LF					
			BLM					
		(200)	CC (bloom)					
		(125)	STR					
		(125)	WR					
	Mukand Bekaert Wire Industries Pvt Ltd (Mukand & Bekaert JV)							
			(stainless steel)					
		(6)	WR					
<u>Mukat Pipes Ltd (Mukat Group)</u>	Baramati ERW Plant	(60)	ERW x 3					
<u>Namco Industries Private Ltd</u>	Khopoli, Maharashtra						(Unlikely)	
		(1200)	Plate				IF	
							CC (slab)	

Economy: **INDIA (38)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>National Mineral Development Corp Ltd (NMDC)</u>						S			
	Integrated steel plant in Chhattisgarh			3000 (Possible)			2014	Indian iron ore miner NMDC has advanced its project to build a 3m tpy steelworks at Negarnar in the eastern state of Chhattisgarh, after signing a contract with a consortium led by Siemens VAI for the supply of the melting shop in May 2012. The Chhattisgarh works will host two 67-oven coke batteries, a 140 square metre sinter plant, and a 4,500 cubic metre blast furnace. Further downstream, a thin slab caster and a six-stand hot strip mill with 2.89m tpy of capacity will be installed.	SBB 24-May-12 SBB 14-Mar-13 SBB 08-Sep-11
		(3000) BF		(3000) LD x 2					
		(2900) CC (isc)		(2900) Hot					
	Integrated steel plant in Karnataka (JV with Severstal)			(3000) (Unlikely)				Severstal had been in joint venture talks with NMDC to build a 3 million tpy steelworks in southern India's Karnataka state for 2.5 years, since the two companies signed a memorandum of understanding for a 50:50 joint venture in December 2010. However, Severstal decided to withdraw from its joint venture project.	SBB 13-Dec-12 SBB 25-Jun-13 SBB 07-Mar-12
<u>National Steel and Agro Industries Ltd (NSAIL, Ruchi Group)</u>						P			
	Indore, Madhya Pradesh	(300) Cold x 2							
		(280) HGL x 2							
		(80) Ptg							
<u>Navyug Steel Ltd</u>									
	New integrated steel mill project in Odisha			(12000) (Unlikely)					
				(12000) Steelmkg					

Economy: **INDIA (39)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Neelachal Ispat Nigam Ltd (NINL)</u>	Odisha	1000				S/P			
		(1100)	BF						
		(1000)	LD						
		(1000)	LF						
		(920)	CC (billet)						
		(300)	STR						
		(700)	WR						
<u>Neo Metaliks Ltd</u>	Durgapur, West Bengal	(360)	BF	(500)	(500) (Unlikely)			Neo Metaliks Ltd is in process of expanding its existing unit in Durgapur, West Bengal, with ultimate capacity of 0.5 million tpy by investing in a new blast furnace, sinter plant, induction furnace, electric arc furnace and an additional 50MW power plant.	HP
West Bengal Greenfield project				(1500)	(1500) (Unlikely)			Neo Metaliks Ltd is coming up with a 1.5 million tpy greenfield integrated steel plant in West Bengal with a mini blast furnace, DRI plant, electric arc furnace, induction furnace and a 250 MW power plant.	SBB 26-Jul-10 HP
<u>Nippon Steel Pipe India Pvt Ltd (NPL)</u>	Rajasthan				(Firm)			2013 Nippon Steel & Sumitomo Metal (NSSMC) and its two partners have formally begun commercial production on a carbon steel pipe plant in Rajasthan to make pipes for automotive applications. The plant, belonging to Nippon Pipe India (NPI), has a capacity in ERW pipe forming, cutting and heat-treatment of 2,000 metric tons/month.	SBB 02-Jul-13 HP
<u>Nova Iron & Steel Ltd</u>	Bilaspur, Chhattisgarh	(150)	DR (SLRN)		(24) ERW				

Economy: **INDIA (40)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Orissa Sponge Iron & Steel Ltd</u>	Keonjhar, Odisha	100		(1000) (Unlikely)				
		(250)	DR x 2	(1000) EF				
		(100)	IF					
		(100)	CC (billet)					
<u>Others</u>		13547						
<u>Panchmahal Steel Ltd</u>	Baroda, Gujarat	150	(stainless steel)					
		(150)	EF x 2					
			LF					
		(150)	CC (billet)					
		(75)	STR					
		(75)	WR					
<u>Parikh Steel Pvt Ltd</u>	Kolkata		(special steel)			P		
		(10)	STR x 2					
<u>Partap Rajasthan Special Steels Ltd</u>	Jaipur	40						
		(40)	EF					
		(40)	LF					
		(40)	CC (billet)					
		(30)	STR x 3					

Economy: **INDIA (41)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>POSCO & SAIL JV</u>	Bokaro, Jharkhand			(3500)	(Unlikely)	S/P		State-owned Steel Authority of India Ltd (Sail) and POSCO are planning a 3.5m tpy greenfield integrated steel plant for producing grain oriented silicon sheets at Bokaro in Jharkhand. Sail already operates an integrated mill at Bokaro and has more land to offer for the new mill.	SBB 14-Jul-11 SBB 03-Jun-10 SBB 24-May-10
<u>POSCO India Limited</u>	Integrated steel mill project in Karnataka			(6000)	(Unlikely)	P		POSCO signed a memorandum of understanding with the government of Karnataka in June 2010 to build a 6m tpy steelworks with a total investment of around INR 300bn. However, POSCO finally decided not to progress with the construction in Karnataka because of delays in obtaining iron ore mining rights and securing land. Consequently, both the Karnataka Industrial Area Development Board (KIADB) and POSCO agreed upon to end this project in June 2013.	SBB 22-Jul-11 SBB 13-Jan-14 HP 16-Jul-13
	Integrated steel mill project in Odisha			(12000)	(Unlikely)			In January 2014, POSCO announced that it had received conditional approval from India's Ministry of Environment and Forests to construct its long-delayed integrated steelworks in the eastern Indian state of Odisha. The Ministry granted approval on condition that POSCO spends USD 600m on social commitments. The 12 million tpy steelworks project was first proposed in 2005 but has often been delayed due to delays in obtaining various regulatory approvals and the allocation of the plant's site.	NET 14-Jan-14 SBB 13-Jan-14 SBB 21-Jun-11

Economy: **INDIA (42)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Raigad, Maharashtra			(1800) (450) (300)	(Firm) Cold HGL Silicon	2012-14	In May 2012, POSCO formally inaugurated a 450,000 tpy new auto sheet plant in western India's Maharashtra state. The company also inaugurated a 300,000 tpy cold rolled non-grain-oriented electrical steel sheet plant in December 2013 in the same location. The company is also building a new 1.8 million tpy cold rolling mill which is expected to be commissioned by June 2014.	SBB 30-May-12 SBB 31-Dec-13
<u>Powmex Steels</u>	Orissa	7 (7) (7)	EF STR					
<u>Prakash Industries Ltd</u>	Chhattisgarh	600 (600) (600) (300) (450)	BF IF CC (billet) STR WR	400 (Possible) (600) (400)	DR IF CC (billet)	2012	Prakash Industries Ltd has been investing in order to expand production capacity from 600,000 tpy presently to 1m tpy. The sponge iron produced is used to manufacture billets through the induction furnace route.	SBB 20-Aug-10 NET MB 15-Oct-09
<u>Prakash Steelage Ltd</u>	Silvassa (Unit1) & Gujarat (Unit2)	(18)	(stainless steel) SMLS ERW SAW	(1)	(Firm) SMLS SAW ERW			

Economy: **INDIA (43)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>PSL Ltd</u>	Ahmedabad	(75)	SAW					
	Chennai	(75)	SAW					
	Jaipur	(150)	SAW					
	Kandla	(650)	SAW					
	Vizag	(375)	SAW					
<u>Rajendra Mechanical Industries Ltd</u>	Maharashtra		(stainless steel) (2) SMLS (4) SAW					
<u>Ramsarup Group</u>	Ramsarup Industries Ltd	700			(Possible)	2012	Indian steelmaker and wire producer Ramsarup Industries Ltd (RIL) has had plans to expand wire manufacturing capacity to about 600,000 tpy from 400,000 tpy presently.	SBB 14-Jun-10 SBB 11-Jun-09
		(150)	DR (SLRN)					
		(250)	BF	(275)	WR			
		(700)	EF LF					
		(700)	CC (billet)					
		(170)	STR					
		(325)	WR					

Economy: **INDIA (44)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Ramsanup Vyapaar Ltd		(60)	STR						
<u>Rashtriya Ispat Nigam Ltd.</u>	<u>Visakhapatnam Steel Plant (Vizag Steel)</u>				(Unlikely)	S		State-owned Indian steelmaker Rashtriya Ispat Nigam Ltd (RINL) is seeking state-owned iron ore miner NMDC as its partner for a new 400,000 tpy seamless tube mill which it plans to build at its Vizag Steel Plant at Visakhapatnam, in the southern state of Andhra Pradesh. RINL's board approved the project in January 2012. The mill would produce seamless tubes with diameters from 5.5 inches up to 18 inches, with subsequent enhancements to permit the production of larger tubes.	SBB 31-Dec-13 SBB 22-Apr-13
	Seamless tube mill project			(400)	SMLS				
	Visakhapatnam expansion project			(5200)	(Unlikely)			Rashtriya Ispat Nigam Limited (RINL) has signed a memorandum of understanding (MoU) with the Andhra Pradesh state government to invest about INR 424bn in several new projects at its Vizag Steel Plant in the state. Chief among these is RINL's proposal to invest INR 250bn to lift the mill's steelmaking capacity to 11.5m tpy subject to the government allotting captive iron ore supplies. The steelmaker is presently completing expansion to 6.3m tpy capacity. Work on subsequent expansion to 11.5m tpy was envisaged to start in April 2012. The company has contracted Austrian plantmaker Siemens to renew its No. 2 blast furnace as part of a project to expand capacity. The furnace No. 2 upgrade will see its inner volume boosted from 3,200 to 3,820 cubic metres. This will increase its production capacity to 7,150 metric tons/day or about 2.5 million tpy from 1.7 million tpy at present. Siemens is also modernizing the No. 1 blast furnace at the plant.	SBB 17-Jan-12

Economy: **INDIA (45)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
Visakhapatnam, Andhra-pradesh		3500		2800 (Firm)		2012	India's state-owned steelmaker Rashtriya Ispat Nigam Ltd (RINL) has nearly completed a project to increase crude steel capacity at its Vizag plant in Vishakhapatnam, in the southern state of Andhra. The new melting shop was recently under commission. It has a capacity of 3.3 million tpy and is equipped with two 150-tonne oxygen converters from SMS Demag to produce 2.8 million tpy of crude steel. The company's crude steel production capacity will increase to 6.3 million tpy from its present capacity of 3.5 million tpy.	SBB 01-Oct-13 SBB 07-Feb-12
		(6700)	BF x 3	(2800)	LD x 2			
		(3500)	LD x 3		LF x 2			
			LF	(1860)	CC (billet) x 2			
		(3000)	CC (bloom) x 6	(930)	CC (bloom)			
		(1750)	BTM	(1550)	STR x 2			
		(1510)	STR x 2	(600)	WR			
	(850)	WR						
<u>Rathi Alloys & Steels Ltd</u>								
	Alwar, Rajasthan	100	(special steel)					
		(100)	EF					
		(100)	CC					
			Hot					
<u>Rathi Bars Ltd</u>								
	Alwar, Rajasthan	40						
		(40)	IF					
		(125)	STR					
	Rathi Special Steels							
		(125)	STR					
<u>Rathi Ispat Ltd</u>								
	Ghaziabad	110	(stainless steel)					
		(110)	EF					
			LF					
		(80)	CC (billet)					
		(50)	BTM					
			Hot					

Economy: **INDIA (46)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Rathi Steel & Power Ltd (formerly Rathi Udyog Ltd.)</u>									
	Ghaziabad	40	(stainless steel)		(Unlikely)	P		Rathi Steel and Power has achieved financial closure for its expansion plan to enhance manufacturing capacity of long steel rolled products from 125,000 tpy to 175,000 tpy at Ghaziabad Plant.	GURU 21-Aug-10
		(40)	IF	(50)	STR				
		(125)	CC (billet)						
	Odisha	150	STR	600	(Possible)		2013		
		(150)	DR	(245)	BF				
		(150)	Steelmkg		EF x 2				
					IF x 3				
				(300)	DR				
				(600)	CC (billet)				
				(400)	STR x 2				
				(200)	WR				
Rathi Iron & Steel Industries (Pithampur)		(50)	STR					Rathi Iron & Steel Industries Limited, a group company of Rathi Udyog, has a steel rolling mill with a capacity of 50,000 tpy at Pithampur Industrial Area in Dhar district.	HP
<u>Ratnamani Metals & Tubes Ltd</u>									
	Kutch								
		(114)	ERW						
		(100)	SAW						
			SMLS						
	Saw Pipes SP	(60)	SAW						
	Stainless Steel Tubes & Pipes	(6)	(stainless steel) ERW SMLS						

Economy: **INDIA (47)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Real Strips Ltd</u>	Gujarat		(stainless steel) CAPL Cold					
<u>Remi Metals Gujarat Ltd</u>	Jhagadia, Gujarat	150	(stainless steel) EF LF CC (bloom) STR SMLS					
<u>RHL Profiles Ltd</u>	Uttar Pradesh, Rajasthan				(Unlikely)			
		(140)	STR		(60)	STR		
		(60)	WR					
<u>RKKR Group</u>	RKKR Steels				400 (Possible)		2012 Rkk Steels was reported to have been constructing a BOF shop with a capacity of 400,000 tpy, which was scheduled to begin in 2012.	NET
		(150)	BF		(400)	LD		
	SBQ Steels Ltd				(400)	CC (billet)		
		(250)	BF					

Economy: **INDIA (48)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Rocklane Steels Ltd</u>								
		(120)	Hot					
		(100)	Cold					
		(100)	HGL					
<u>Romelt-Sail (India) Ltd (RSIL)</u>								
	Madhya Pradesh							
		(300)	DR (Romelt)					
<u>Ruchi Group</u>								
	Indian Steel Corporation Ltd							
		(600)	Cold x 2					
		(370)	HGL x 2					
		(120)	Ptg					
	integrated steel mill project in Gujarat (JV with Mitsui)			(1200)	(Unlikely)	(1st phase)	Ruchi – along with Japanese trader Mitsui & Co – hopes to build an integrated steelworks in Gujarat. Ruchi and Mitsui were to build a 1.2~1.5m tpy integrated works there. A second phase would lift capacity to 3-4m tpy.	SBB 09-Aug-10
	Integrated steel mill project in Odisha (SSL Energy)			(1200)	Steelmkg			
				(3000)	(Unlikely)			
	Integrated steel mill project in West Bengal			(3000)	Steelmkg			
				(1000)	(Unlikely)			
				(1000)	Steelmkg			

Economy: **INDIA (49)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
Mid India Power & Steel Ltd		110						Mid India Power & Steel Ltd (formerly known as Kusum Ingots) is engaged in the manufacturing of billets and round/square bars having installed capacity of 110,000 tpy. Commercial production was started in March 2008.	HP
		(110)	EF LF CC (billet) STR						
RSAL Steel Private Limited		(100)	Cold					RSAL Steel Private Limited is a complete complex with all the manufacturing facilities of different types & grades of cold rolled steel with installed capacity of 100,000 tpy.	HP
Ruchi Strips & Alloys Ltd		(100)	Cold						
<u>S A R Ispat Pvt Ltd</u>		24							P
Madagabipet Post, Pondicherry		(24)	IF						
<u>SAIL - Steel Authority of India Ltd</u>		230							S
Alloy Steel (Durgapur, West Bengal)		(230)	(special steel) EF x 2 LF BTM S/BLM CC STR						

Economy: **INDIA (50)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Bhilai (Chhattisgarh)	3000 (5800) (3000) (2000) (1500) (1700) (1500) (2140) (1250) (420) (950) 4500	BF x 7 LD x 3 LF x 2 CC (bloom) x 2 CC (slab) x 4 BTM S/BLM STR x 2 WR Plate	4000 (Firm) (2800) (4000) (3900) (1800) (1900) (2100)	(Firm) BF LD x 3 LF x 3 CC (billet) x 2 CC (bloom) x 2 STR x 2	2013	State-owned Steel Authority of India Ltd (SAIL) laid the foundations for a new blast furnace No. 8 and a new basic oxygen steelmaking shop at its Bhilai steelworks in Chhattisgarh state. The works will have a 4,060 cubic metre furnace with 2.8m tpy capacity, three 160-t converters, two 6-strand billet casters, a 6-strand combination billet/bloom caster, and a 3-strand beam-blank caster. Crude steel capacity at Bhilai is expected to increase to 7m tpy from about 3m tpy previously.	SBB 25-Jun-12 SBB 06-Nov-12 SBB 15-May-13	
	Bokaro (Jharkhand)	(4500) (4500) (2400) (4000) (2600) (3930) (1700) (250) 2090	BF x 5 LD x 7 LF S/BLM CC (slab) x 2 Hot Cold x 2 HGL	(1200) Cold	(Firm) Cold	2013	The skin-pass mill and facilities for the new cold strip mill have been completed at SAIL's Bokaro plant. Trial operations began in July 2013 at the pickling line and tandem cold mill.	SBB 02-Jan-14 SBB 27-Mar-12	
	Durgapur (West Bengal)	(1860) (230) (960) (4600) (490) (200)	LD x 3 EF x 2 BTM S/BLM x 2 STR x 2 Hot	(750) (1000)	(Firm) CC (bloom) STR	2012	The upgrade of the Durgapur Steel plant will see the rebuilding of a coke oven battery, a 750,000 tpy bloom caster, a new 1 million tpy medium structural mill, and a modernisation of the raw material handling facility.	SBB 03-Feb-12 MB 02-Oct-09 MB 14-Feb-12	

Economy: **INDIA (51)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
IISCO (West Bengal)		500		2300 (Firm)	2013	State-owned Steel Authority of India Ltd (SAIL) aimed to complete its expansion work at its IISCO steelworks at Burnpur in the eastern state of West Bengal by end-2013. Crude steelmaking capacity at IISCO is being increased to 2.8 million tpy through the expansion project. The IISCO works will have a 4,060 cubic meter blast furnace with an annual capacity of 2.75 million tpy, a new steel shop comprising three 150-t basic oxygen furnaces, two 6-strand billet casters, one 4-strand beam-blank and bloom caster and new downstream facilities.	SBB 22-May-13		
		(840)	BF x 2	(2750)	BF			SBB 08-Oct-13	
		(300)	OH x 2	(2300)	LD x 3			SBB 03-Feb-12	
		(800)	BTM	(2600)	LF x 2				
		(900)	S/BLM	(2000)	CC (billet) x 2				
		(370)	STR x 2	(750)	CC (bloom)				
				(1350)	STR x 2				
				(500)	WR				
				(Unlikely)					
				(600)	BF x 2	(500)	DR		SBB 15-Mar-11
		(150)	STR	EF			SBB 05-Jul-11		
							HP		
Rourkela (Odisha)		2000		2200 (Firm)	2013	On 10 August 2013, the state-owned Steel Authority of India commissioned a new blast furnace ("Durga") at its Rourkela Steel Plant (RSP) in Odisha state, in eastern India. The blast furnace has become the largest in India with a useful volume of 4,060 cubic metres. With the start of the new furnace, the company's hot metal capacity at its Rourkela Steel Plant will increase to 4.5 million tpy from its present capacity of 2 million tpy. Accordingly, crude steelmaking capacity will be increased to 4.2 million tpy at the Rourkela plant.	HP 10-Aug-13		
		(2000)	BF x 3	(2500)	BF			SBB 12-Aug-13	
		(2000)	LD x 5	(2200)	LD			SO 13-Aug-13	
			LF	(1500)	LF				
		(1900)	CC (slab) x 3	(1500)	CC (slab)				
		(300)	Plate	(1000)	Plate				
		(1440)	Hot						
		(920)	Cold x 3						
		(264)	HGL x 2						
		(120)	EGL						
(90)	Tin plate								
(36)	Ptg								
(120)	ERW								

Economy:

INDIA (52)

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Salem (Tamil Nadu)	180	(stainless steel) EF LF					
		(180)	EF					
		(180)	LF					
		(180)	CC (slab)					
		(370)	Hot					
		(146)	Cold x 3					
	Steel mill project in Sindri (Jharkhand)			(5600)	(Unlikely)		SAIL has plans to build a new 5.6 million tpy steel plant at the site of the former plant of Fertiliser Corporation of India (FCIL) at Sindri in Jharkhand. However, the company is unlikely to make any investments until land acquisition issues are resolved.	NET 03-Oct-12 NET 15-Sep-13
	Visvesvaraya Iron & Steel (VISL) (Bhadravati, Karnataka)	125		(5600)	Steelmkg			
		(210)	BF					
		(125)	LD x 2					
		(125)	CC (billet)					
		(125)	STR x 2					
<u>Sandvik Asia Ltd</u>								
	Mehsana, Gujarat		(stainless steel)					
		(10)	SMLS					
<u>Sanghvi Steels Ltd</u>								
	Maharashtra	45						
		(45)	EF					
		(50)	CC (billet)					
			STR					

Economy: **INDIA (53)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
<u>Sarda Energy & Minerals Ltd</u>	Raipur, Chhattisgarh	240						
		(180)	WR					
		(360)	DR x 4					
		(240)	IF x 6					
		(200)	CC (billet)					
			STR					
<u>Sathavahana Ispat Ltd</u>	Siriguppa, Karnataka	(180)	BF					
<u>Sesa Goa Ltd (Vedanta Group)</u>	Bellary (formerly Bellary Steel and Alloys)	105						
		(66)	DR (SLRN)					
		(70)	EF					
		(35)	IF					
		(70)	LF					
		(90)	CC (billet)					
		(100)	STR x 2					
					(Unlikely)	2011-2012	Sesa Industries Limited was merged with Sesa Goa Limited in 2011. Sesa Goa will increase its pig iron capacity to 375,000 tpy from 250,000 tpy.	HP
	Bichelim Taluka, Goa (formerly Sesa Industries Ltd)	(250)	BF x 2	(375)	BF			
				(1500)	(Unlikely)		Goa-based iron ore miner Sesa Goa is likely to sign a memorandum of understanding (MoU) with the Jharkhand government for a 1.5 million tpy steel plant in the state.	NET 30-Apr-12
	Greenfield project in Jharkand			(1500)	Steelmkg			

Economy: **INDIA (54)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Shah Alloys Ltd</u>	Gandhinagar, Gujarat	320	(stainless steel) (320) EF LF			P		
		(100)	CC (bloom) Plate					
		(100)	CC (slab) Hot					
		(200)	Rolling					
	S.A.L. Steel Ltd		Cold (stn)					
<u>Shiva Steel Rolling Mills</u>	Kolkata	(180)	DR					
		(25)	Rolling					
<u>Shri Ishar Alloy Steel Ltd</u>	Indore, Madhya Pradesh	150	STR					
		(150)	(stainless steel) EF					
		(150)	LF					
		(150)	CC (billet)					
		(124)	STR					
<u>Shri Lakshmi Metal Udyog Ltd (APL Apollo Tubes Ltd Group)</u>	Bangaluru, Karnataka		ERW Pipe					

Economy: **INDIA (55)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Shyam Group</u>								
Shyam SEL & Power Ltd				(1100)	(1100) (Unlikely) (stainless steel)	2009-2015	Indian steel producer Shyam SEL & Power Ltd is to build a greenfield 1.1m tpy integrated steelworks for long products at Jamuria in West Bengal's Burdwan district. The first phase of the project, to cost more than USD 425m, would have a capacity of 250,000 tpy (stainless steel) and began at the end of 2009. However, earlier the company had faced coal shortages. The company had started construction but it had not been allocated coal blocks from the local government, essential for running the plants.	SBB 19-Dec-08 TG 18-Jun-10
	West Bengal & Odisha	1000	DR (800) IF EF CC (billet) STR		(1100) Steelmkg		The Shyam group currently operates an integrated steel mill in West Bengal and another in Odisha, with a combined capacity of nearly 1m tpy. The mills produce billets through the DRI and EAF route that are rolled into Thermo Mechanically Treated (TMT) rebars and plain bars.	SBB 19-Dec-08
<u>Shyam Steel Industries</u>								
	Durgapur & Howrah	80	DR (120) (100) BF (80) EF (80) CC (billet) (80) STR		(600) (Unlikely)		On 5th February, 2008, Shyam Steel signed a MoU with the Govt. of West Bengal. The Group has plans of setting up two Greenfield Integrated Steel Plants – one at Raghunathpur in Purulia district with a 1.1m tpy capacity and another at Kharagpur in West Midnapore, with a 0.6m tpy capacity.	SBB 15-Feb-08 SBB 29-Oct-09 HP
	Integrated steel mill project in Kharagpur (West Bengal)				(600) Steelmkg			

Economy: **INDIA (56)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Integrated steel mill project in Raghunathpur (Purulia, West Bengal)			(1100)	(Unlikely)			In the first phase Shyam Steel will invest INR 15bn in a 500 cubic metre blast furnace, a 1m tpy iron ore beneficiation and pellet plant, and a 100 MW power plant. The blast furnace will make 400,000 tpy of pig iron which will initially be used at the company's existing long's mill in Durgapur, West Bengal. In the second phase, the company will make crude steel in EAFs using the pig iron and DRI, to make 1.1m tpy of thermo mechanically treated rebars.	SBB 17-Feb-10 SBB 29-Oct-09 SBB 15-Feb-08
	<u>Smita Steels Rolling Mills Pvt Ltd</u> Thane, Maharashtra	(96)	STR						P
	<u>Smith Glass Products Pvt Ltd (Saflo)</u> Maharashtra	(24)	ERW						
	<u>Somani Iron & Steel Ltd</u> Kanpur, Uttar Pradesh	350	(350) EF (350) LF (350) CC (billet)						P

Economy: **INDIA (57)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Sponge Iron India Ltd</u>	Paloncha, Andhra Pradesh	(60)	DR (SLRN) x 2	(240)	(240) (Unlikely)	S	At the board meeting on 23 January 2010, NMDC approved the merger with the state-owned DRI producer, Sponge Iron India Ltd (SIL). After the merger, NMDC had plans to increase SILL's rated DRI capacity to 260,000 tpy from the current 60,000 tpy. It also intended to forward integrate by building a 240,000 tpy steel mill in the southern state of Andhra Pradesh where both companies are headquartered.	SBB 28-Jan-10 SBB 08-Jul-10
<u>Sri Sarbati Tubes Ltd</u>	Puducherry							
<u>Star Wire (India) Ltd</u>	Faridabad, Haryana	(55)	ERW x 4					
		36						
		(36)	EF x 2 LD BLM STR					
<u>Steel Complex Ltd</u>	Kerala	55				S		
		(55)	EF x 3					
		(50)	CC (billet) STR					

Economy: **INDIA (58)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	SAIL-SCL Ltd (JV with SAIL)				(Unlikely)			The joint venture between Steel Authority of India Ltd (SAIL) and Steel Complex Ltd (SCL), SAIL-SCL Ltd, will build a 65,000 tpy rolling mill at SCL's Kozhikode works to produce thermo-mechanically treated rebars. Project work will commence after ongoing feasibility studies are concluded.	SBB 15-Feb-11
<u>Steel Exchange India Ltd</u>	Vizianagaram (Andhra Pradesh)	240			(65) STR				
		(250)	DR						
		(240)	IF						
		(240)	CC (billet)						
		(225)	STR						
<u>Steelco Gujarat Ltd</u>	Bharuch, Gujarat								
		(200)	Cold						
		(40)	HGL						
<u>Sunflag Iron & Steel Co Ltd</u>	Bhandara, Maharashtra	250							P
			(special steel)						
		(150)	DR (Cocir)						
		(280)	BF						
		(250)	EF						
		(250)	LF						
		(200)	BLM						
		(200)	CC (billet)						
		(450)	CC (bloom)						
		(200)	STR						
		(60)	WR						

Economy: **INDIA (59)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Suraj Ltd</u>	Ahmedabad		(stainless steel) (12) SMLS (8) ERW	(14) SMLS (Unlikely) (stainless steel)				
<u>Surana Industries</u>	Gummidipoondi, Tamil Nadu	110				P	Surana Industries manufactures High Strength Deformed Steel bars (approved by the Bureau of Indian Standards association), thermo mechanically treated bars known as SURANA TMT, CRS reinforcing bars, cold twisted deformed bars, mild steel rounds and mild steel structurals. The plant has an installed capacity to produce 30,000 tpy of mild steel ingots and 109,800 tpy of CTD bars and TMT bars.	HP
	Raichur, Karnataka	225	(special steel) (128) DR (225) EF (200) STR					
<u>Surindra Engineering Co Ltd (Mukat Group)</u>	Mumbai							
<u>Surya Roshni Ltd</u>	Bahadurgarh, Haryana	(50)	SAW					
		(60) (300)	Cold ERW					

Economy: **INDIA (60)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Bhuj, Gujarat	(200)	SAW					
		(100)	ERW					
	Gwalior, Madhya Pradesh	(100)	ERW					
	Integrated steel mill project in Karnataka			(5000)	(Unlikely)		Indian pipe producer Surya Roshni Ltd is backward integrating with a 5m tpy integrated steelworks in the southern state of Karnataka. In June 2010, The company, through affiliate Surya Vijay Nagar Steel & Power Ltd, signed a MoU with the state government for a 3m tpy plant to produce hot rolled coils to feed its pipe mills.	SBB 31-Aug-10 SBB 07-Jun-10 SBB 12-Jan-10
	Karnataka					2012	India's largest producer of galvanized pipes, Surya Roshni Limited, plans to establish two new electric resistance weld (ERW) pipe plants with combined capacity of 300,000 tpy. A 100,000 tpy plant in Bhuj in Gujarat started production from March 2011, while a 200,000 tpy plant in Shimoga, Karnataka, was expected to have begun producing in 2011-12.	SBB 29-Nov-10 SBB 14-May-10
<u>Talaja Steel Ltd</u>	Raigad, Maharashtra	(50)	STR	(200)	ERW			
<u>Tamil Nadu Sponge Ltd</u>	Salem	(30)	DR					

P

Economy: **INDIA (61)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Tata BlueScope Steel Ltd</u>	Jamshedpur, Jharkhand	(250) (150)	ZnAl Pig			P			
<u>Tata Metaliks Ltd</u>	Integrated steel mill project in Karnataka			(3000)	(Unlikely)			Pig iron producer Tata Metaliks, a subsidiary of Tata Steel, has signed a MOU with the state government for building a 3m tpy steelworks at Haveri in Karnataka. The two firms will collaborate on the project but expect to start work only after allotment of iron ore mines.	SBB 07-Jun-10 SBB 25-Sep-09
	Kharagpur, West Bengal	(300)	BF x 2	(3000)	Steelmkg			Indian foundry pig iron producer Tata Metaliks is selling its 300,000 tpy works at Redi in the western state of Maharashtra to iron ore miner Fomento (Karnataka) Mining Co (FKPL). The divestment was prompted by difficulties in economically securing raw materials. The sale is subject to regulatory and shareholder approvals.	SBB 03-Oct-11
	Redi, Maharashtra (formerly Usha Ispat)	(300)	BF						
<u>Tata Sponge Iron</u>	Keonjhar, Odisha	(390)	DR x 3	(1500)	Steelmkg			The Odisha government approved proposals for setting up two medium scale steel plants including one by Tata Sponge Iron Limited. The proposals from Tata Sponge Iron Limited and Amtek Metal and Mining are to set up a 1.5m tpy and 2m tpy steel plants respectively.	BL 27-Jan-10 SBB 22-Jan-09 MB 22-Apr-08

Economy: **INDIA (62)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Tata Steel Ltd (TISCO)</u>									
	Integrated steel mill project in Chhattisgarh			(5500)	(Unlikely)	P		Tata Steel has renewed its Memorandum of Understanding with the Chhattisgarh government for building a 5.5m tpy integrated steelworks in the Bastar district of the central Indian state. The steelmaker had initially signed a three-year MoU with the state government in June 2005. This was subsequently extended twice, once in 2008 and again in 2010, for a two-year period each time. The project has so far seen limited progress as the state government is yet to acquire land to be transferred to the steelmaker.	SBB 20-Jul-12 SBB 07-Feb-12
	Integrated steel mill project in Kalinganagar (Odisha)			3100	(Firm)	2014 (1st Phase)		Tata Steel began construction of the Kalinganagar works in Odisha in January 2011. The company expects to commission the first phase of its integrated mill in 2014. This phase will have a 3 million tpy crude steel capacity feeding hot and cold rolling mills. The second phase, with an additional 3 million tpy of crude steel capacity, is scheduled to be completed by March 2015.	SBB 10-Jan-11 HP SBB 24-Apr-12
	Integrated steel mill project in Karnataka			(6000)	(Unlikely)			Tata Steel signed an expression of interest (EoI) with the state government of Karnataka on 8 June 2012 to build a 6m tpy integrated steelworks in the Haveri district of the southern Indian state.	SBB 12-Jun-12

Economy: **INDIA (63)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
	Jamshedpur, Jharkhand	6800		2900 (Firm)	2900 (Firm)	2012	Tata Steel completed its expansion project at its Jamshedpur works in Jharkhand state in December 2012, lifting crude steelmaking capacity to 9.7 million tpy from 6.8 million tpy. The expansion was mainly in the flat products segment, which now accounts for about 6.5 million tpy of the overall installed capacity.	SBB 30-Jan-13 SBB 24-Jul-13
		(7900)	BF x 8	(2900)	BF			
		(6800)	LD x 5	(2900)	LD x 2			
		(4050)	LF x 4	(2400)	CC (tsc) x 2			
		(3100)	CC (billet) x 3	(2400)	Hot			
		(3550)	CC (slab) x 3					
		(1420)	STR x 4					
		(300)	WR					
		(2400)	Hot					
		(1300)	Cold					
		(400)	HGL x 2					
		(190)	ERW					
JV with Nippon Steel & Sumitomo Metal Corp (Jamshedpur, Jharkhand)					(Firm)	2013	Tata Steel and Nippon Steel & Sumitomo Metal Corp (NSSMC) aim to begin trials on their 600,000 tpy continuous annealing & pickling line (CAPL) in November 2013. The CAPL, India's first, is located inside Tata's 6.8 million tpy steelworks at Jamshedpur in east India's Jharkhand state. It belongs to Jamshedpur Continuous Annealing & Processing Co, the 51-49 joint venture established in January 2011 to produce high-grade automotive sheets.	SBB 10-Jan-11 SBB 10-Oct-13
	Tubes Division	(400)	ERW x 2	(600)	CAPL			
	Wire Division (Tata Wiron)	(200)	WR					

Economy: **INDIA (64)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Tayo Rolls Ltd</u>	Gamharia, Jamshedpur	30				P		
		(40)	BF					
		(30)	EF					
			IF					
		(30)	CC					
<u>ThyssenKrupp Electrical Steel India Pvt Ltd (formerly EBG India)</u>						P		
	Nashik, Maharashtra							
<u>Tinplate Co of India Ltd (TCIL)</u>		(230)	Silicon					
	Jamshedpur, Jharkhand					P		
		(380)	Cold x 2					
		(380)	Tin Plate x 2					
<u>Tube Investments of India Ltd</u>								
	Tube Products of India							
		(100)	Cold x 4					
		(135)	ERW x 7					
<u>Tulsyan NEC Ltd</u>								
	Tamil Nadu	72						
		(36)	DR					
		(72)	Steelmkg					
		(144)	BTM					
		(348)	STR					

Economy: **INDIA (65)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Unimetal Ispat Ltd</u>	Bellary, Andhra Pradesh	(88)	BF					
<u>Universal Steel & Alloys Ltd (Bharat Gears Ltd)</u>	Faridabad, Haryana	50						
		(50)	EF					
<u>Usha Martin Ltd</u>	Jamshedpur, Jharkhand	860	(special steel) (390) DR (SLRN) (210) BF (860) EF x 3 (340) LF x 2 (400) CC (billet) x 2 (500) CC (bloom) (122) STR (320) WR		(Firm) (100) DR	2014	Usha Martin plans to build a fourth DRI unit with a capacity of 100,000 tpy, along with a 600,000 tpy pelletizing plant, an iron ore beneficiation plant, and a 400,000 tpy coke oven plant.	SBB 14-May-10 MB 14-May-09 HP
<u>Uttam Galva Ferrrous (Uttam Galva Steels Ltd Group)</u>	Andhra Pradesh				(2500) (Unlikely)		Local media reports suggest that the Miglani family – co-owner of cold-roller and galvanizer Uttam Galva Steels Ltd – has acquired Brahmani Industries Ltd (BIL), which has since been renamed Uttam Galva Ferrrous. Consequently, BIL's unfinished steelworks at Kadapa in Andhra Pradesh and a proposed new project at Bellary in Karnataka could be pursued under the Uttam Galva banner. In 2007, BIL initiated a 2.5m tpy steelworks project at Kadapa but has so far completed only about 50% of the first 1.25m tpy-phase's construction.	SBB 15-Apr-11 SBB 20-Apr-10 MB 22-Jul-08
				(2500)	Steelmkg			

Economy: **INDIA (66)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Karnataka			(6000)	(Unlikely)			In June 2010, the firm pledged to build a 6m tpy integrated steelworks at Bellary.	SBB 15-Apr-11 GURU 07-Jun-10 NET
<u>Uttam Galva Steels Ltd</u>	Maharashtra project			(1000)	(Unlikely)	P		ArcelorMittal has purchased a 29% stake in Indian cold roller and galvanizer Uttam Galva Steels Ltd (UGSL) through an open offer of shares. It paid INR 4.2bn. Together with the shares bought from UGSL's controlling shareholders, ArcelorMittal's total stake in UGSL is 34.42%. UGSL officials were also planning a 1m tpy integrated steelworks in Satarda in the western state of Maharashtra in a joint venture with ArcelorMittal.	SBB 03-Feb-10
	Odisha project			(3000)	(Unlikely)			Uttam Galva Steels Ltd (UGSL) has deferred plans to build an integrated steelworks in the eastern state of Odisha. UGSL had first considered plans in October 2006 for a 3 million tpy fully integrated steelworks for flat products in Odisha. The project was to comprise cold rolling, galvanizing and other downstream units for coated steel.	SBB 01-Feb-13 SBB 18-Oct-06
	Raigad, Maharashtra	(1000)	Cold x 4 (750) HGL x 3 (75) Ptg					ArcelorMittal acquired a 35% stake in Uttam Galva Steels Ltd (UGSL) in September 2009. UGSL has an installed cold rolling capacity of 1m tpy and galvanizing capacity of 750,000 tpy at its Khopoli works in Maharashtra.	SBB 05-Jul-10
	Uttam Galva Metallics Ltd	(500)	BF					Uttam Galva Metallics Ltd (UGML), a sister company of galvanized sheet producer Uttam Galva Steels Ltd, was established to facilitate the group's diversification into steelmaking. UGM operates a 500,000 tpy pig iron plant at Wardha.	SBB 20-Oct-11 SBB 26-May-10

Economy: **INDIA (67)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Vardhman Special Steels</u>	Ludhiana, Punjab	150				P		
		(150)	EF					
		(150)	LF					
		(150)	CC (billet)					
		(250)	STR x 2					
<u>Vashisht Alloys</u>	Himachal Pradesh	15						
			(stainless steel)					
		(15)	IF					
		(12)	SLM					
		(12)	BTM					
		(12)	STR					
		(15)	Plate					
<u>Vedanta Resources</u>	Odisha project							
				(10000)	(Unlikely)		UK-headquartered Vedanta has been planning an integrated steel plant in Odisha for some years, and in early 2008 identified a possible site in Keonjhar district. Vedanta put its plans on hold in September 2008 but decided to revisit them in July 2009 when it decided to build the works through Sesa Goa.	SBB 27-Jan-10 SBB 21-Jul-09
				(10000)	Steelmkg			
<u>Venkatesh Steels Ltd</u>	Dist Raigad							
			(stainless steel)					
		(36)	STR x 2					
<u>Venus Castings (Pvt) Ltd</u>	Uttar Pradesh	24						
		(24)	EF					

Economy: **INDIA (68)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Venus Wire Industries Pvt Ltd</u>	Maharashtra	120	(stainless steel) EF CC (billet) BLM STR WR			P			
<u>Vidarbha Iron & Steel Corp Ltd</u>	Nagpur, Maharashtra	60	(stainless steel) EF LF CC (bloom) STR x 2			P			
<u>Videocon Group</u>	Integrated steel mill project in West Bengal	(70)		(3000)	(Unlikely)			In October 2007, Videocon Industries Limited signed a Memorandum of Understanding (MoU) with the West Bengal government for setting up a 3 million tpy steel plant and a 1200 MW power plant in the Asansol-Durgapur region in Burdwan district.	NET 07-Jan-10 ET 13-Oct-09
<u>Vijayaa Steels Ltd (Tulsyan Group of Companies)</u>	Bangalore Kumigal	(78) 110	STR IF	(3000)	Steelmkg	P			

Economy: **INDIA (69)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Nelamangala in Bangalore	48						
		(30)	DR					
		(48)	IF					
		(7)	STR					
<u>Virpras Castings Ltd</u>						P		
	Mumbai, Maharashtra							
			IF					
			LF					
			BTM					
<u>Viraj Profiles Ltd</u>								
	Tarapur, Maharashtra	348		180 (Possible)		2012-13	Viraj Profiles Limited currently has 348,000 tpy of capacity to produce stainless steel ingots and billets via five existing induction furnaces, two AOD Converters with a computerized Intelligent Refining System and 2 continuous billet / bloom casters. The company planned to raise its stainless steelmaking capacity by 52% to 528,000 tpy by the end of 2012 via the addition of an AOD converter at its Tarapur plant in the western state of Maharashtra.	SBB 07-Jun-11 NET 31-May-12
		(348)	IF x 5	(180)	Steelmkg			
		(348)	CC (billet)		CC			
		(200)	STR		Rolling			
			WR					
			SMLS					
<u>Visa Steel Ltd</u>								
	Integrated steel mill project in Chhattisgarh			(1250) (Unlikely)		P	VISA Steel has signed an MoU with the Government of Chhattisgarh for setting up a 2.5 million tpy integrated Steel Plant at Raigarh in two phases of 1.25m tpy each with 500 MW captive power plant. The production facilities will include iron ore pellet plant, coal washeries, sponge iron plants, power plants, coke oven plants, sinter plants, blast furnaces, steel melt shop and rebar / wire rod / section mill.	MB 20-Aug-08 NET HP
				(1250)	Steelmkg			
					STR			

Economy: **INDIA (70)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Integrated steel mill project in Madhya Pradesh			(1250)	(Unlikely)			Visa Steel has outlined development plans for building a 1.25 million tpy integrated steel plant in the central Indian state of Madhya Pradesh. Total investment is estimated at INR 40.25 billion. Visa has signed a memorandum of understanding (MoU) with the government of Madhya Pradesh for the project.	MB 02-Nov-10 HP SBB 02-Nov-10
	Kalinganagar, Odisha	450		(500)	(Unlikely)			An additional 0.5 million tpy special and stainless steel plant with 425,000 tpy pig iron plant. 300,000 tpy sponge iron plant will also be set-up.	HP
		(300)	DR	(425)	(special steel)				
		(230)	BF	(300)	BF				
		(450)	EF	(500)	DR				
		(450)	LF	(500)	Steelmkg				
		(450)	CC (bloom)						
		(500)	STR						
			WR						
<u>Vishwas Steels Ltd</u>									
	Goa	156							
	Tarapur	(156)	IF						
		(120)	STR						
<u>VSL Steels Ltd (formerly SLR Steels Ltd)</u>									
	Chitradurga, Kamataka	(150)	BF	(400)	(Unlikely)			VSL Steels Ltd plans to construct an additional blast furnace and steel melting shop with rolling mills.	HP
				(400)	Steelmkg				

Economy: **INDIA (71)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Welspun Corp Ltd</u> (formerly <u>Welspun Gujarat Stahl Rohren Ltd</u>)	Anjar, Gujarat				(Firm)		2012	The New LSAW capacity of 350,000 tpy was ready to get commissioned in Q2 FY2012.	HP
		(500)	SAW	(350)	SAW				
		(250)	ERW						
		(1500)	Plate						
	Dahej, Gujarat	(400)	SAW		(Firm)				
	Mandya, Karnataka								
		(100)	SAW	(1500)	(Unlikely)				
	Welspun Maxsteel Ltd (formerly Vikram Ispat)	(900)	DR	(800)	DR				SBB 30-Jun-11
		(900)	BF	(1500)	EF				SBB 24-Aug-09
				(1500)	CC (slab)				NET 24-Apr-12
	Welspun Plate and Coil Mill Division (Anjar, Gujarat)	(1500)	Plate					Welspun Maxsteel proposed in August 2009 to set up a steel plant with annual capacity of 1.5 million tpy in Maharashtra. However, the company has kept its proposed steel factory plan on hold due to the shortage of raw materials and energy. The delay in environmental clearances has also forced the company to suspend the project.	
<u>Welspun Power & Steel Ltd</u>	Anjar, Gujarat	60							
		(130)	DR						
		(60)	IF						
		(60)	BTM						
			STR						

Economy: **INDIA (72)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	Integrated steel mill project in Odisha			(3000)	(Unlikely)			
<u>Western Minистil Ltd</u>	Mumbai	64		(3000)	Steelmkg			
<u>Xindia Steels Ltd</u>	Integrated steel mill project in Karnataka	(64)	EF x 2 CC	(2500)	(Unlikely)		The Indian-Chinese steelmaking joint venture Xindia Steels has commissioned its first-stage 800,000 tpy iron ore pelletizing plant in Karnataka, south India. Xinxing Cathay, the controlling shareholder of Xinxing Ductile Iron Pipes Co, has a 35% stake in Xindia Steels. The partners intend to expand by constructing an integrated 2.5m tpy works that will include ductile pipe and cement manufacturing facilities.	SBB 06-Jul-10 GURU 24-Feb-11 HP SBB 01-Sep-11
<u>Zenith Birla (India) Ltd</u>	Raigad, Maharashtra	(120)	ERW	(70)	ERW	P	Indian pipe manufacturer Zenith Birla (India) Limited is planning to import a mobile spiral-weld pipe mill as part of its expansion plans. The mill, with an expected capacity of 70,000 tpy, will be imported from Australia and will produce spirally welded pipes with a diameter range of 10-20 inches.	SBB 28-Dec-10

Economy: **INDONESIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Indo Mines Ltd</u>	Central Java				(Possible) (1000) BF	P	2012	Australia's Indo Mines Ltd is set to produce 1 million tpy of pig iron from its project on Indonesia's Java island. Indo Mines has a 70 percent share in PT Jogja Magasa iron, an Indonesian firm planning to mine iron sand and set up Indonesia's first pig iron smelter in central Java's Yogyakarta province.	REU 25-Feb-09 HP
<u>International Coal Ventures Ltd</u>	East Kalimantan				(3000) (Unlikely)	S			
<u>PT Asian Profile Indosteel</u>	Surabaya, East Java	50 (50) EF (50) CC (billet) (100) STR			(3000) Steelmkg	P			
<u>PT Bakrie Pipe Industries</u>	Bekasi, West Java					P			
<u>PT Betonjaya Manunggal</u>	Gresik	(300) ERW x 2 (150) SAW							
		(30) STR							

Economy: **INDONESIA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>PT Bhirawa Steel</u>	Surabaya, East Java	(250)	STR			P		
<u>PT Bisma Narendra</u>	Bekasi, West Java	(100)	HGL					
<u>PT BlueScope Steel Indonesia</u>	Cilegon, West Java	(265) (160)	ZnAl Ptg			P		
<u>PT Budidharma Jakarta</u>	Tanjung Priok, Jakarta	150						
		(150) (150) (190)	EF CC (billet) STR x 2					
<u>PT Bumi Kaya Steel Industries</u>	Jakarta	(75)	ERW			P		
<u>PT Citra Tubindo Tbk</u>	Batam	(120)	SMLS					

Economy: **INDONESIA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>PT Delta Prima Steel</u>	Plehari, South Kalimantan			(100)	(Unlikely)		2011-12	PT Delta Prima Steel plans to start commissioning a 100,000 tpy billet mill in Plehari, South Kalimantan province, in the first quarter of 2011. The plant will have direct reduction iron (DR) facilities and construction of the plant will start in early 2010, with plant feed supplied from PT Delta Prima Steel's mine near by. A further 1 million tpy in billet capacity in South Kalimantan province is under construction, together with 615,000 tpy of DR capacity.	MB 02-Dec-09
<u>PT Dharma Niaga Putera Steel</u>	Sumatra Selatan	(12)	HGL		DR (100) Steelmkg				
<u>PT Duta Cipta Pakarperkasa (DCP) (Bukit Jaya Group)</u>	Gresik, East Java	(120)	STR						
<u>PT Essar Indonesia</u>	Bekasi, West Java	(400) (150)	Cold x 2 HGL	(300)	(Firm) Cold	P	2014	PT Essar Indonesia has a capacity to produce 400,000 tpy of CR coils and 150,000 tpy of hot-dip galvanized coils at its Bekasi works in West Java. The company plans to invest USD120m to expand cold rolled strip capacity at its West Java works by 300,000 tpy.	SEAIISI SBB 25-Jan-13
<u>PT Fumira</u>	Bekasi, West Java	(100)	HGL			P			

Economy: **INDONESIA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Semarang, Central Java						A joint venture with Mitsui and Nippon Steel.	
<u>PT Growth Sumatra</u>	Medan, North Sumatra	(110) 250	HGL EF				Growth Steel Group currently operates an EAF meltshop and a rolling mill in Medan, North Sumatra, and it produces around 200,000 tpy of deformed and angle bar.	SBB 31-Oct-07
<u>PT Gunawan Dian Steel Pipe</u>	Surabaya, East Java	(250) (250) (200)	EF CC (billet) STR			P		
<u>PT Gunawan Dianjaya Steel Tbk</u>	Surabaya, East Java		SAW		(Unlikely)	P	2015 Korea's Dongkuk Steel Mill sold its mothballed facility for producing heavy plate located within its Pohang works to an Indonesian steelmaker PT Gunawan Dianjaya Steel. The new line is expected to begin commercial operation in 2015.	NET 12-Jun-13 SBB 07-May-13
<u>PT Gunung Gahapi Sakti (Gunung Steel Group.)</u>	Bekasi, West Java	(50) (50)	STR WR		(1000) Plate	P		

Economy: **INDONESIA (5)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
JV with Nanjing Iron & Steel Co (Medan, North Sumatra)				(1000)	(Unlikely)			Nanjing Iron & Steel Co (Nangang) in east China's Jiangsu province plans to set up a one million metric tpy long product-focused steelworks in a joint venture with Indonesia's PT Gunung Gahapi Sakti (GGS) at Medan in north Sumatra in the next five years. The proposed plant will have blast furnaces, converters and rolling mills, with the 500,000 tpy first stage – the first of two – expected to be commissioned in three years.	SBB 29-Jan-14
	Medan, North Sumatra	120							
		(120)	EF						
		(120)	CC (billet)						
		(250)	STR						
		(75)	WR						
<u>PT Gunung Garuda (Gunung Steel Group)</u>									
	Bekasi, West Java								
			EF						
			LF						
		(180)	CC (bloom)						
		(300)	STR						
JV with Echeng Iron & Steel									
					(Unlikely)			Echeng Iron & Steel, a subsidiary of Wuhan Iron & Steel (Wugang) in central China's Hubei province and PT Gunung Garuda had planned to commission their joint venture, with a 500,000 tpy rolling capacity, in 2013 in Medan, north Sumatra. Another 500,000 tpy of rolling capacity will reportedly be brought onstream in 2014 and output from the new mill will mainly target the construction and automotive sectors.	SBB 11-Jul-11
				(1000)	STR				

Economy: **INDONESIA (6)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
PT Semeru Sunya Steel				(300)	(Unlikely)		PT Semeru Sunya Steel plans to build a 300,000 tpy billet plant, though the starting date of construction was not known at the time of writing.	MB 31-Jan-11 MB 18-Aug-08
<u>PT Gunung Raja Paksi (Gunung Steel group)</u>								
	Bekasi, West Java	800		1200	(Possible)	P	2013-15 PT Gunung has placed an order for the supply of an electric arc furnace and ladle furnace for the new steelmaking plant complex in Bekasi, in the Indonesian province of West Java. The furnaces have an annual production capacity of 1.2 million tpy. Commissioning of the furnaces was scheduled for the middle of 2013. The company also plans to install a blast furnace.	SBB 25-Jan-13 SBB 25-Apr-12
		(800)	EF	(2000)	BF			
		(800)	LF	(1200)	EF			
		(400)	CC (bloom)	(1200)	LF			
		(200)	STR x 2	(1200)	CC (slab)			
		(500)	Plate					
<u>PT Hanil Jaya Steel</u>								
	Jawa Timur	250				P		
		(250)	EF					
		(250)	CC (billet)					
		(240)	STR					
<u>PT Harapan Sukses Jaya</u>								
	Bekasi, West Java							
		(45)	HGL					

Economy: **INDONESIA (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>PT Indoferro</u>	<u>(Growth Steel Group)</u> Cilegon, West Java				(Firm) (stainless steel) (250) BF	P	2012	PT Indoferro has commissioned its first 450 cubic metres blast furnace located in Cilegon in 2012. The company produces nickel pig iron to serve stainless steel producers and nickel casting foundries, and this will be the first plant in Indonesia since the government implemented mining regulation in 2012 that requires processing mineral ores into value-added products instead of exporting them.	HP
<u>PT Indonesia Nippon Steel Pipe</u>	West Java					P			
<u>PT Indonesia Steel Tube Works</u>	Jakarta	(42)	ERW			P		Total annual production capacity is 96,000 tonnes. Japan's Metal One Corp, a subsidiary of Mitsubishi Corp holds a stake of 60% in PT Indonesia Steel Tube Works and Japan's Maruichi Steel Tube has 20%.	
	Semarang, Central Java								
<u>PT Industri Baja Garuda</u>	Medan, North Sumatra		ERW					It is reported that PT Industri Baja Garuda in Medan merged with PT Industri Galvaneal Mas. Both steel mills belonged to the same company group.	NET

Economy: **INDONESIA (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>PT Industri Galvaneal Mas</u>	Medan, North Sumatra	(86) (100) (256) (46) (12)	WR Cold x 2 HGL x 2 ERW x 2 Ptg			P		
<u>PT Intan Nasional Iron Industri</u>	Medan, North Sumatra	(60) (72)	Cold HGL Ptg					
<u>PT Inter World Steel Mills Indonesia</u>	Jakarta					P		
	Tangerang, West Java	(30) 150	STR					
		(150) (150) (300)	EF CC (billet) STR					
<u>PT Inti General Yaja Steel</u>	Seramang, Central Java	100						
		(100) (100) (150)	EF CC (billet) STR					

Economy: **INDONESIA (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>PT Ispat Indo</u>								
	PT Ispat Bukit Baja (Bekasi)	(120)	STR			P		
	Surabaya, East Java	700						
		(700)	EF					
		(700)	LF					
		(700)	CC (billet)					
		(700)	WR x 2					
<u>PT Jakarta Cakratunggal Steel Mills</u>								
	Pulogadung, Jakarta	360				S		
		(360)	EF					
		(360)	CC (billet)					
		(360)	STR x 2					
<u>PT Jakarta Kyoei Steel Works Ltd</u>								
	Pulogadung, Jakarta	(120)	STR			P		
<u>PT Jakarta Steel Megah Utama</u>								
	Jakarta	240						
		(240)	EF					
		(240)	LF					
		(240)	CC (billet)					
		(140)	STR					

Economy: **INDONESIA (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>PT Jakarta Steel Perdana Industry</u>	Tangerang, Jakarta	(180)	STR					
<u>PT Jatim Taman Steel</u>	Sidoarjo, East Java	130						
		(130)	EF x 2					
		(130)	CC (billet)					
		(260)	STR					
<u>PT Jaya Pari Steel</u>	Surabaya, East Java	(100)	Plate					
<u>PT JFE Steel Galvanizing Indonesia</u>	Bekasi, West Java				(Unlikely)	P	2016 Japan's JFE Steel will invest about USD 300 million to construct Indonesia's first continuous galvanizing line (CGL) for automobiles in Bekasi. The 400,000 tpy continuous galvanizing line will be the Japanese steelmaker's third CGL for automobiles in Asia.	HP 17-Jun-13 NET 17-Jun-13
				(400)	HGL			
<u>PT Jindal Stainless Indonesia (formerly PT Maspion Stainless Steel Indonesia)</u>	Gresik, East Java	(60)	(stainless steel) Cold			P		
<u>PT Kalimantan Steel Co</u>	Pontianak, West Kalimantan	(18)	HGL					

Economy: **INDONESIA (11)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	Surabaya, East Java							
		(2)	HGL					
<u>PT Kerismas Witikco Makmur</u>								
	Bitung, Sulawesi Island							
		(12)	HGL					
	Jakarta							
		(36)	HGL					
		(50)	ptg					
<u>PT KHI Pipe Industries (Krakatau Steel Group)</u>								
	West Java							
		(100)	SAW					
		(270)	ERW					
<u>PT Krakatau POSCO</u>								
	Cilegon, West Java							
		3000	(Firm)			S/P		SBB 30-Jan-14
		(3000)	BF					HP 30-Dec-13
		(3000)	LD					SBB 26-Dec-13
		(1800)	CC (slab)					
		(1200)	Plate					

PT KHI Pipe Industries is a subsidiary of PT Krakatau Steel and the company was formerly known as Krakatau Hoogovens International Pipe Industries.

The new integrated steelworks, a joint venture between Korea's POSCO and Indonesia's state-owned PT Krakatau Steel, has a capacity of 3 million tpy and formally blew-in its first blast furnace on December 23, 2013. The 70:30 JV aims to produce 1.8 million tpy of slab and 1.2 million tpy of heavy plate at full capacity, and it is expected to double its crude steel capacity to 6 million tpy in Phase 2. This integrated steel mill project is part of Indonesia's economic development acceleration master plan. It will be the first large-scale blast furnace in Southeast Asia and will be the first integrated steel mill outside Korea for POSCO. In January 2014, PT Krakatau POSCO (PTKP) delivered its first shipment of heavy plate to two local clients.

Economy: **INDONESIA (12)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>PT Krakatau Steel (Persero) Tbk</u>									
	Cilegon, West Java	2900			(Unlikely)	S	2015	Krakatau Steel is building a blast furnace that will have a capacity of 1.2 million tpy. It has been recently reported that the company has decided to increase the production capacity to 1.4 million tpy. The investment cost is around USD 601 million, and the project is targeted to operate commercially in the second half of 2015. The blast furnace project will be financed partly by syndicated loans from domestic banks and Chinese banks backed by export credit agencies. The construction of the plant will be handled by a consortium of MCC-Capital Engineering & Research Incorporation, MCC ACRE and Krakatau Engineering. The blast furnace is one of several projects that form part of Krakatau Steel's expansion phase following its initial public offering in 2010. The company will also expand its hot strip mill capacity to 3.5 million tpy from the present 2.4 million tpy.	NET 23-Apr-13 NET 07-Aug-13 MB 05-Jun-12
		(1350)	DR (HYL) x 2	(1400)	BF				
		(2900)	EF x 10	(1100)	Hot				
		(800)	LF						
		(850)	CC (billet) x 2						
		(2200)	CC (slab) x 3						
		(400)	WR						
		(2400)	Hot						
		(750)	Cold						
	Pig iron plant JV (Cilegon, West Java)				(Unlikely)				MB 29-Dec-08
				(300)	BF				
PT Krakatau Osaka Steel (Cilegon, West Java)					(Unlikely)		2015	Krakatau Steel has signed an agreement with Japanese firm Osaka Steel to produce small sections and reinforced bar for the domestic construction industry.	NET 02-Jan-13 SEAIISI
PT Krakatau Wajutama (Cilegon, West Java)		(300)	STR x 2	(500)	STR				

Economy: **INDONESIA (13)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	PT Latinusa (Cilegon, West Java)	(130)	Tin plate	(30)	Tin plate (Possible)	2012	Nippon Steel has decided to lift tinplate capacity at its Indonesian venture, PT Latinusa, to meet growing consumer demand for cans in that country. Current tinplate capacity at Latinusa is 130,000 tpy but NSC plans to increase this to 160,000 tpy by early 2012.	SBB 25-Oct-10
	PT Meratus Jaya Iron & Steel (Krakatau & Antam JV)			(315)	(Firm) DR	2012	PT Krakatau Steel completed construction of a DRI plant in a joint venture with PT Antam (the joint venture is called PT Meratus Jaya Iron & Steel) in October 2012.	SEAIS
	<u>PT Little Giant Steel (Raja Besi Group)</u> Semarang, Central Java	(150)	Cold					
	<u>PT Mandan Steel</u> South Kalimantan			(1000)	(Unlikely) (special steel) Steelmkg CC (billet)		Mandan Steel has signed a memorandum of agreement with China's Zhengzhou Yongtong Special Steel to jointly operate Mandan's 1 million tpy billet plant in Indonesia's Kalimantan province. Mandan Steel, which is a subsidiary of Hong Kong-listed China Nickel Resources Holding, plans to expand the billet plant's capacity to 3 million tpy in a later phase of the project.	MB 31-Jan-11 MB 02-Dec-09

Economy: **INDONESIA (14)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>PT Merukh Iron and Steel</u>	Sumba Barat, East Nusa Tenggara			(3500)	(Unlikely)			The Luxembourg equipment maker Paul Wurth is involved in projects to build two new integrated steelworks in Indonesia. Each could produce 3.5 million tpy. It has signed a co-operation agreement for feasibility studies with the Indonesian company Merukh Enterprises. Indonesian media reports that the plants will be built in East and West Sumba, East Nusa Tenggara, in the eastern part of the Indonesian archipelago. The potential timeframe was to begin construction work in August 2013, aiming for the plants to begin operation by 2015. The project cost is noted as EUR 20 billion, plus EUR 10 billion for infrastructure.	SBB 01-Mar-11 GURU 02-Mar-11
	Sumba Timur, East Nusa Tenggara			(3500)	Steelmkg				SBB 01-Mar-11 GURU 02-Mar-11
<u>PT Pabrik Pipa Indonesia</u>	Jakarta								
<u>PT Perkasa Indobaja (Texmaco Group)</u>	Subang, West Java	(20)	ERW x 3						
		(60)	(alloy steel) STR					PT Perkasa Indobaja is a part of the Indonesian-owned Texmaco group.	
		(90)	SMLS						

Economy: **INDONESIA (15)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>PT Perusahaan Dagang dan Industri</u>	Surabaya, East Java	(50) (84)	Plate ERW					
<u>PT Polyguna Nusantara</u>	Tabing, West Sumatra	(24) (6)	HGL P'lg					
<u>PT Raja Besi</u>	Semarang, Central Java	(400)	Cold x 2					
<u>PT Seamless Pipe Indonesia Jaya (Tenaris Group)</u>	Cilegon, West Java	(120)	SMLS					
<u>PT Segoro Adidaya Steel</u>	Gresik, East Java	(72)	STR					
<u>PT Semarang Makmur</u>	Semarang, Central Java	(45)	HGL x 2					

Economy: **INDONESIA (16)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
							<u>Start-up date</u>	
<u>PT Sermani Steel Corp</u>	South Sulawesi				(Firm)	P	2012 JFE Steel and trader Marubeni-Itochu Steel have decided to revamp their galvanized sheet joint venture in Indonesia. To meet rising domestic demand the partners installed a new 4,000 t/m HDG line at a cost of USD 4.6m.	SBB 26-May-11
<u>PT South East Asia Pipe Industries (SEAPI)</u>	Lampung, Southern Sumatra	(22)	HGL x 2	(48)	HGL	P		
<u>PT Steel Pipe Industry of Indonesia (Spindo)</u>	Pasuruan, East Java	(200)	ERW			P		
	Surabaya, East Java	(120)	SAW					
		(120)	ERW		(stainless steel)			
<u>PT Super Tata Raya Steel Corp</u>	Tangerang, West Java	(375)	ERW x 11					
			STR					
<u>PT The Master Steel Mfg</u>	Gresik, East Java							
			EF					
			STR					
			WR					

Economy: **INDONESIA (17)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	PT Kesa Indotama (Jakarta)	200						
		(500)	WR					
		(200)	EF					
		(500)	STR					
	PT Pulogadung Steel Mfg	60						
		(60)	EF					
		(60)	CC (billet)					
		(60)	STR					
	<u>PT Tobu Indonesia Steel Co Ltd</u> Pulogadong, Jakarta	(420)	STR					
	<u>PT Toyogiri Iron & Steel</u> Jakarta	120				P	The company produces reinforcing bars for the domestic construction market.	
		(120)	EF					
		(120)	CC (billet)					
		(120)	STR					
	<u>PT Tumbakmas Inti Mulia</u> Bekasi, West Java	(160)	HGL x 2					
		(40)	Plg					
	<u>PT Wuhan</u> Jakarta	(6)	STR					

Economy: **INDONESIA (18)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>SAIL (Steel Authority of India Ltd.)</u>	Central Kalimantan			(3000)	(3000) (Unlikely)	S		The state-owned Steel Authority of India (SAIL) and the Indonesian government have signed a memorandum of understanding (MoU) to build a 3 million tpy steel plant in the central Kalimantan province of Indonesia. The plant will have an initial capacity of 3 million tpy that could be further increased to 7 million tpy.	MB 31-Jan-11 HP

Economy: **MALAYSIA**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Amalgamated Industrial Steel Bhd</u>	Selangor		(stainless steel)			P		
		(120)	ERW					
<u>Amcan Color Coating Industries Sdn Bhd</u>	Kuching							
		(50)	Ptg					
<u>Amsteel Mills Sdn Bhd (The Lion Group.)</u>	Banting, Selangor	1250				P	Amsteel Mills completed the construction of the Amsteel II facility in 2005, comprising a 1.25 million tpy meltshop, 500,000 tpy rolling mill, 160 tonne electric arc furnace, ladle furnace and a 6-strand continuous casting machine.	
		(1250)	EF					
			LF					
		(1250)	CC (billet)					
		(500)	STR					
		750						
	Klang, Selangor						Amsteel Mills Sdn Bhd, a member of The Lion Group, commenced operations in 1978. It operates two steel mills, in Klang and Banting. The Lion Group owns Amsteel Mills, Antara Steel Mills, Lion DRI, Lion Plate Mills and Megasteel in Malaysia.	
		(750)	EF					
		(750)	LF					
		(750)	CC (billet)					
		(900)	WR					
		(1000)	STR					
<u>Ann Joo Resources Bhd</u>						P		
	Ann Joo Steel Bhd (Prai, Penang)	800			(Unlikely)		Malaysia's Ann Joo Resources has delayed the commissioning of its 500,000 tpy blast furnace.	SBB 09-Jul-10 MB 29-Dec-10
		(800)	EF		(500) BF			
		(800)	CC (billet)					
		(430)	STR x 2					
		(200)	WR					

Economy: **MALAYSIA (2)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Anshin Steel Industries Sdn Bhd (Shah Alam, Selangor)		60						Anshin Steel Industries Sdn Bhd (ASI), commenced operation in 1988. It is a wholly owned subsidiary of Ann Joo Resources Bhd.	
		(60)	EF						
		(60) (135)	CC (billet) STR						
<u>Antara Steel Mills Sdn Bhd (The Lion Group)</u>									
	Labuan, Sabah					P			
	Pasir Gudang, Johor	(650) 450	DR (MIDREX)					Antara Steel Mills became part of the Lion Group after it was acquired by Amsteel Mills from Johor Corporation Bhd, a state-owned agency in 2002.	
		(450) (450)	EF LF						
		(450) (450)	CC (billet) STR x 3						
<u>Bahru Stainless Sdn Bhd (Acerinox & Nisshin Steel JV)</u>									
	Pasir Gudang, Johor				(1000) (Unlikely) (stainless steel)	P		Acerinox has started production following a second phase of construction at its Bahru Stainless works in Johor Bahru, Malaysia. The second phase installations have more than doubled capacity to 400,000 tpy. The first phase was finished in late 2011 and had a capacity of 182,000 tpy. The second phase includes a cold rolling mill, a cold annealing and pickling line, and an electric substation to supply power to an eventual electric arc furnace melting shop. The Malaysian project will conclude at a later stage with an electric arc furnace providing a melting capacity of 1 million tpy and an annual cold rolling capacity of 600,000 tpy.	SBB 08-May-13 SBB 29-Oct-12 SBB 27-Sep-12
		(240) (180)	CAPL Cold (stn)		(1000) (420) (160)				

Economy: **MALAYSIA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>BlueScope Steel (Malaysia) Sdn Bhd</u>	Kapar, Selangor	(175) HGL (75) Ptg						
<u>Bright Steel Sdn Bhd (The Lion Group.)</u>	Klang, Selangor	(24) STR						
<u>Choo Bee Metal Industries Bhd</u>	Ipoh, Perak	(300) ERW x 3 (stainless steel)				P		
<u>Colourcoil Industries Sdn Bhd</u>	Kinabalu	(50) Ptg						
<u>CSC Steel Sdn Bhd (formerly Ormasteel & Group Steel.)</u>	Ayer Keroh, Melaka	(580) Cold x 2 (240) HGL (120) Ptg			(Unlikely) (100) Silicon	P	CSC Steel Holdings has plans for an electrical steel project at its Malacca steelworks located in the south of peninsular Malaysia. CSC Steel has the capacity to produce 500,000 tpy of cold rolled products, 240,000 tpy of hot-dip galvanised steel, and 120,000 tpy of pre-painted galvanised steel.	SBB 24-Jul-09 HP

Economy: **MALAYSIA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Dah Yung Steel (M) Sdn Bhd</u>	Kuala Lumpur	40				P		
		(40)	EF					
		(40)	CC (billet)					
		(50)	STR					
<u>Eastern Steel Sdn Bhd</u>	Integrated steel mill project				700 (Firm)	2014	Eastern Steel, a joint venture company between Hiap Teck Venture Berhad of Malaysia and Shougang Group of China, held a ground-breaking ceremony in Telok Kalong, Kemaman, in Terengganu state for its integrated steelworks. This project involves installation of a 700,000 tpy mini-blast furnace of 600 cubic metres inner volume and a 700,000 tpy slab caster in the first phase. The new plant is expected to start operation in the first quarter of 2014.	SBB 07-Dec-11 SEASIS/28-Oct-13
					(700) BF			
					(700) LD			
					(700) CC (slab)			
<u>Federal Iron Works Sdn Bhd</u>	Bukit Raja, Selangor					P		
		(200)	HGL					
		(80)	Ptg					
<u>Harum Bidang Sdn Bhd (HBBSB)</u>	Sarawak							
		(50)	ERW					
<u>Hiap Teck Venture Bhd</u>	Alpine Pipe Manufacturing Sdn Bhd					P		
		(550)	ERW					

Economy: **MALAYSIA (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hoto Stainless Steel Industries Sdn Bhd</u>	Klang, Selangor		(stainless steel) (3) ERW			P			
<u>Ji Kang Dimensi Sdn Bhd</u>	Kuantan, Pahang		(650) Plate			P		Ji Kang Dimensi Sdn Bhd is a Malaysian subsidiary of China's Jinan Iron and Steel.	
<u>Kamen Steel Industries Sdn Bhd</u>	Perweja Gurun (Gurun, Kedah)	(48)	WR						
<u>Kanzen Kagu Sdn Bhd</u>	Shah Alam, Selangor	(85)	ERW			P		Kanzen Kagu is a wholly-owned subsidiary of Kanzen Tetsu Sdn Bhd, which is a subsidiary of FACB Industries Incorporated Berhad.	
<u>Kanzen Tetsu Sdn Bhd</u>	Shah Alam, Selangor	(15)	(stainless steel) ERW			P		Kanzen Tetsu is a subsidiary of FACB Industries Incorporated Bhd.	
<u>Kinsteel Bhd</u>	Gebeng (Kuantan, Pahang)	(600) (200)	STR WR						

Economy: **MALAYSIA (6)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
	Kuantan, Pahang	750						
		(750)	EF					
		(760)	CC (billet)					
		(900)	STR					
		(250)	WR					
	Perwaja Kemaman (Kemaman, Terengganu)	1360			(700) (Unlikely)		Perwaja Steel was previously reported to have delayed completing installation of its 700,000 tpy electric furnace at Kemaman. The company also has plans to increase DRI plant's capacity to 2.1 million tpy.	SBB 25-Jun-10
		(1200)	DR (HYL) x 2		(300) DR			
		(1360)	EF x 5		(700) EF			
		(700)	LF x 2					
		(650)	CC (billet)					
		(650)	CC (bloom)					
<u>Kiswire Sdn Bhd</u>	Johor							
		(78)	WR					
<u>KKB Engineering Berhad (KKBEB)</u>								
	Kuching							
		(50)	ERW					
<u>Leader Steel Sdn Bhd</u>	Penang							
		(100)	STR					
		(75)	ERW					

Economy: **MALAYSIA (7)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Lion Plate Mills Sdn Bhd (The Lion Group)</u>	Kemaman, Trengganu	(200)	Plate			P	Malaysia's Lion Group has begun production of steel plate after restarting the former Gunawan Iron & Steel mill on the country's east coast. Lion Group is now rolling 8-30mm thick plate at the mill in Kemaman, Trengganu state. The mill is now operating as Lion Plate Mills Sdn Bhd, a wholly-owned subsidiary of the Lion Group.	
<u>Maju Steel Sdn Bhd</u>	Merlimau, Melaka							
<u>Malaysia Galvanised Iron Works Sdn Bhd</u>	Selangor	(110)	STR					
<u>Masteel - Malaysia Steel Works (KL) Sdn Bhd</u>	Bukit Raja, Selangor	550			50 (Firm)	P	Malaysia Steel Works (Masteel) plans to invest RM100 million over the next two years to build a new 200,000 tpy bar rolling mill adjacent to its Bukit Raja meltshop at Klang. The new mill is expected to be completed in 2015. The company recently completed an RM80 million expansion to its Bukit Raja meltshop which raised its production capacity to 600,000 tpy of billet, up from the original 550,000 tpy.	SBB 22-Aug-13 SBB 28-Jun-12
		(550)	EF	(50)	EF			
		(550)	LF	(50)	CC (billet)			
		(350)	CC (billet)	(200)	STR			
	Petaling Jaya, Selangor	(350)	STR					

Economy: **MALAYSIA (8)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Megasteel Sdn Bhd</u> (<u>The Lion Group</u>)	Banting, Selangor	2400				P		Megasteel Sdn Bhd, a member of The Lion Group, is the first integrated steel mill in Malaysia to produce flat steel products with a capacity of 3.2 million tpy of hot rolled coils and 1.4 million tpy of cold rolled coils.	
		(1540)	DR (MIDREX)						
		(2400)	EF x 2						
		(2400)	LF x 2						
		(2400)	CC (tsc)						
		(3200)	Hot						
		(1400)	Cold						
<u>Melewar Industrial Group Bhd</u>						P			
Maegma Steel HRC Sdn Bhd (Lumut)				(1500)	(Unlikely)		2015	Melewar Industrial Group is leading plans to build a 3 million tpy steelworks in Malaysia that will become the country's second largest hot-rolled coil producer. Maegma Steel, which will be based just 20 km from Vale's iron ore trans-shipment centre in Malaysia, will have a start-up capacity of 1.5 million tpy in 2015. The second phase, expected to be completed in 2017, will raise hot-rolling capacity to 3 million tpy. The plant's electric-arc furnaces will be fed with direct reduced iron produced in-house from iron ore lumps or pellets supplied by Vale, which has already committed 2.4 million tpy for the first stage.	MB 29-Jun-12
				(2400)	DR				
				(1500)	EF				
				(1500)	Hot				
Melewar Steel Mills Sdn Bhd (Shah Alam & Malacca)			IF						
		(36)	STR						
Melewar Steel Tube Sdn Bhd (Shah Alam, Selangor)		(24)	HGL						
		(180)	ERW						

Economy: **MALAYSIA (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
Mycron Steel CRC Sdn Bhd (Shah Alam, Selangor)		(260)	Cold	(240)	Cold	2012	Mycron Steel expanded to 260,000 tpy in 2009 from 180,000 tpy, and a new cold rolling mill is expected to raise capacity to 500,000 tpy. Melewar Industrial Group owns 54.5% of the listed company Mycron Steel Bhd, which operates Mycron Steel CRC Sdn Bhd.	MB 09-Feb-10
<u>Nippon EGalv Steel Sdn Bhd</u>	Prai, Penang							
		(150)	HGL					
<u>Perusahaan Sadur Timah Malaysia (Perstima) Bhd</u>	Johor							
		(260)	Tin Plate x 2					
<u>Petro-pipe (Sabah) Sdn Bhd</u>								
		(375)	SAW					
<u>PMP Galvanizers Sdn Bhd</u>	Sarawak							
		(150)	HGL					
<u>POSCO-Malaysia</u>	JV with Aju				(Unlikely)		Korean steel companies-- POSCO and coil processor Aju Steel--have been considering setting up a colour coating line of design 70,000 tpy capacity to chiefly target the white goods industry in the region.	SBB 26-Oct-09
	Klang, Selangor	(120)	EGL	(70)	Ptg			

Economy: **MALAYSIA (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Prestar Steel Pipes Sdn Bhd</u>	Rawang, Selangor	(50)	ERW			P		
<u>Progress Steel Galvanising Sdn Bhd</u>	Rawang, Selangor	(400)	HGL					
<u>Ready Steel Sdn Bhd</u>	Selangor	(30)	STR					
<u>Sibu Steel (Sarawak) Sdn Bhd</u>	Pending, Kuching	(36)	STR			P		
<u>SMI Wire Sdn Bhd</u>	Johor	(23)	WR					
<u>Southern Pipe Industry (Malaysia) Sdn Bhd</u>	Butterworth, Penang	(200)	ERW					Southern Pipe Industry is a subsidiary of Southern Steel Bernad.

Economy: **MALAYSIA (11)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Southern Steel Bhd</u>									
	Prai, Penang	1500							
		(1500)	EF x 2						
		(1500)	CC (billet) x 2						
		(700)	STR x 2						
		(650)	WR x 2						
<u>Steel Industries (Sabah) Sdn Bhd</u>									
	Kota Kinabalu, Sabah								
		(150)	STR						
<u>Yung Kong Galvanising Industries Bhd</u>									
	Integrated Coil Coating Industries (Klang, Selangor)	(60)	Ptg						
	Klang, Selangor	(50)	Ptg						
		(200)	Cold						
		(150)	HGL						
	Kuching, Sarawak	(100)	HGL						
		(30)	Ptg						

Integrated Coil Coating Industries (ICCI) is a subsidiary of Malaysia's Yung Kong Galvanising Industries (YKGI) and it operates a 60,000 tpy colour-coating line a short distance away from YKGI's unit in Klang. Nippon Steel invested in a Malaysian cold roller and coated sheet producer, Yung Kong Galvanising Industries (YKGI), in 2010 to expand its hot rolled coil supply network. The company sources all of its imported raw material and hot rolled coils from Nippon Steel, which has a 10% equity invest in YKGI.

NET

Economy: **PAKISTAN**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Abbas Steel Group</u>	Karachi	(200)	STR	100 (Firm)	EF IF CC (billet)	2012		Pakistani re-roller Abbas Steel was reported to be commissioning a billet plant to feed its rebar and rod mill. In the first phase of expansion, the firm will bring an induction furnace and electric arc furnace on line, along with two-strand billet caster that will allow for up to 100,000 tonnes/year billet production.	SBB 25-May-12
				100 (Firm)		2013		In the second expansion phase, which was scheduled for early 2013, billet capacity will be doubled to 200,000 tpy and additional rolling capacity will be added for heavy	SBB 25-May-12
				(100)	CC (billet) STR	(100)	Steelmkg		
<u>Aisha Steel Mills Ltd (ASML)</u>	Bin Qasim, Karachi			(220)	Cold	P			SBB 25-Jan-12
				(Possible)		2012		Aisha Steel Mills, a joint venture between Japan's Universal Metal Corp, MetalOne (part of Mitsubishi Corp) and Pakistan's Arif Habib Group will have an initial capacity of 220,000 tpy, later expanding to 350,000 tpy in the second phase.	
				(130)	Cold		2013		
<u>Al-Shafi Steel</u>	Lahore	70							
		(70)	IF						
		(70)	CC (billet) x 2 STR						

Economy: **PAKISTAN (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Amreli Steels (Pvt) Ltd</u>	Karachi					P		The company was formerly known as Amreliwata Hardware Industries.	
		(150)	STR						
<u>Crescent Steel and Allied Products Ltd</u>	Jamshoro, Sindh	(90)	SAW			P		The Crescent Group, operating in Pakistan for more than 50 years, is comprised of over 35 companies in textile, jute, sugar, engineering, steel, investment banking, insurance, leasing and software development. The company has been gradually enhancing and upgrading its pipe production capacity, which has increased from 80,000 tons initially to the present nominal capacity of 90,000 tonnes extendable up to a maximum of 200,000 tonnes per annum.	HP
<u>Fazal Steel Ltd (FSL) Group</u>	Islamabad and Hassanabdal	65				P			
		(30)	EF						
		(20)	IF						
		(70)	STR x 3						
		(15)	Steelmkg						
<u>International Industries Ltd</u>									
	International Steels Ltd (Landhi Town, Karachi)				(250) Cold (150) ZnAl			In 2008 International Industries Ltd started project to produce cold rolled & galvanized flat steel products.	HP
	Karachi	(50) (200)	Cold ERW x 12						

Economy: **PAKISTAN (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Itehad Steel Industries</u>	Islamabad	120						
		(120)	IF					
		(120)	STR					
<u>Madina Steel Industries</u>	Kasur	48						
		(48)	IF					
		(48)	STR					
<u>Metropolitan Steel Corp</u>	Landhi, Karachi					P		
		(120)	STR					
			WR					
<u>Mughal Steel</u>	Lahore	200				P		
		(200)	(stainless steel) EF					
		(60)	LD					
		(60)	AOD					
		(380)	CC (billet)					
			STR x 2					
<u>Others</u>		1743						

Economy: **PAKISTAN (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Pak Steel</u>	Islamabad	(100)	STR					
<u>Pakistan Steel Mills Corp</u>	Bin Qasim, Karachi	1100		(1900)	(1900) (Unlikely)	S/P	Pakistan Steel's current crude steel production capacity is 1.1 million tpy. The steelmaker is planning to reach 3mt and then 5mt annual capacity in two phases of expansion. The company formed a joint working group to oversee its expansion and revamping plans.	SBB 11-Apr-11
		(1230)	BF x 2					
		(1100)	LD x 2					
		(400)	CC (billet)					
		(400)	CC (bloom)					
		(825)	CC (slab) x 2					
		(260)	BTM					
		(790)	Hot					
		(200)	Cold					
		(100)	HGL					
<u>Peoples Steel Mills Ltd</u>	Manghopir, Karachi	70						
		(70)	(special steel) EF LD					
		(43)	BTM					
		(30)	STR					
		(25)	Plate					
			Hot					
<u>Qadri Brothers (Pvt) Ltd</u>	Lahore	24						
		(24)	IF					
		(20)	BLM					
		(20)	STR x 2					

Economy: **PAKISTAN (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Ramna Pipe & General Mills (Pvt) Ltd</u>	Lahore								
			ERW						
<u>Razaque Steels (Pvt) Ltd</u>	Karachi	(40)	STR x 2						
<u>Shalimar Steel Re-Rolling Mills (Pvt) Ltd</u>	Lahore	130							
		(50)	EF x 2						
		(80)	OH x 2						
			CC						
		(234)	BTM x 5						
<u>Siddiqsons Tin Plate Ltd</u>	Windher Baluchistan	(120)	Tin Plate			P		Siddiqsons Tin Plate Limited is the first and only tin plate manufacturer in Pakistan. Established in 1999, in collaboration with ArcelorMittal and Mitsubishi Corporation of Japan, Siddiqsons production capability is 120,000 metric tonnes per annum. The factory is located in the special industrial zone, Windher Baluchistan, 95 km from Karachi.	HP
<u>Sonax Steel</u>	Nooriabad near Karachi	300							
		(300)	EF x 4						
		(300)	CC (billet)						
		(110)	STR						

Economy: **PAKISTAN (6)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Steelex (Pvt) Ltd</u>	Karachi								
		(4)	ERW x 2						
<u>Tuwairqi Steel Mills Ltd (Al-Tuwairqi Group)</u>	Bin Qasim, Karachi				(1280)	(Firm)	P	In September 2011, Korean steelmaker POSCO committed to investing in the continued expansion of Pakistan's first private sector integrated steelworks, Tuwairqi Steel Mills Ltd. (TSMIL). The Korean firm has signed a joint venture agreement with TSMIL's parent company, Saudi Arabia's Al Tuwairqi Holding, to acquire a 15% equity stake in the Pakistani project, which is costing some USD 300 million including working capital. TSMIL has taken a step closer to commissioning its new 1.28m tpy direct reduced iron plant in Port Qasim, Karachi, by inaugurating a waste water treatment plant at the site.	SBB 30-Jan-12 SBB 12-Sep-11
	Second and third phase				(2000)	(Unlikely)	2015	An electric arc furnace-based billet plant and iron ore mine are planned in the second and third phases of the plant's expansion. The new 2m tpy steelworks is expected to be completed by 2015.	SBB 30-Jan-12
<u>Victory Pipe (Pvt) Ltd</u>	Islamabad				(2000)	CC (billet)			
		(30)	ERW x 2		(2000)	EF			
<u>Zeenat Steel Mills</u>	Lahore								
			ERW						

Economy: **PHILIPPINES**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>A.C. Steel Industries Inc</u>	Cebu	(180) (36)	STR HGL					
<u>Allied Integrated Steel Corp</u>	Las Pinas	40						
<u>Amalgamated Iron Works Inc</u>	Quezon	(40) (20)	EF x 2 STR					
<u>Apollo Steel Corp</u>	Manila	45 (45)						
<u>Armco-Marsteel Alloy Corp</u>	Napindan, Taguig	160						
		(160) (160) (160)	EF CC (billet) WR					

Economy: **PHILIPPINES (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Armstrong Industries Inc</u>	Calocan	150						
		(150)	EF x 2					
		(150)	CC (billet)					
		(24)	STR					
<u>Best Industrial Steel Manufacturing Corp</u>								
		(12)	STR					
<u>Binan Steel Corp</u>	Binan Laguna							
		(250)	STR					
<u>Capitol Steel Corp</u>	Quezon							
		(180)	STR x 2					
<u>Cathay Metal Corp</u>	Quezon							
		(300)	CC (billet)					
		(420)	STR					
		(300)	WR					

Economy: **PHILIPPINES (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Cathay Pacific Steel Corp (Capasco)</u>	Cainta, Rizal	300				P		
		(300)	EF x 3					
		(300)	CC (billet) x 2					
		(350)	STR					
		(300)	WR					
	Novaliches Wire Rod Mill							
		(300)	WR					
	Tagig steel complex							
			EF					
		(70)	CC					
		(120)	STR					
<u>Cebu Steel Corp</u>	San Fernando, Cebu					P		
<u>Chuayuco Steel Manufacturing Corp</u>	Cavite, Luzon	(180)	STR					
		(60)	WR					
		(60)	HGL					
		(30)	Plg					
<u>Continental Steel Mfg Corp</u>	Valenzuela, Luzon							
		(114)	STR x 2					

Economy: **PHILIPPINES (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Elegant Chemical Alloy Corp</u>	Manila	40						
		(40)	EF CC (billet)					
<u>Ferrotech Steel Corporation</u>	Davao, Mindanao							
			STR					
<u>Fidelity Steel Manufacturing Corp</u>	Caloocan							
			STR WR					
<u>Filipino Metals Corp</u>	Kalookan							
		(120)	STR					
	Valenzuela	(60)	STR					
<u>Galvaphil Inc</u>	Cebu							
		(84)	HGL x 2					

Economy: **PHILIPPINES (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Global Steel Philippines (SPV AMC) Inc (formerly National Steel Corp.)</u>	Iligan, Mindanao	(800) (1200) (870) (150)	Plate Hot Cold x 2 Tin plate	(3600) (4000) (3600) (3600)	(Unlikely) BF LD CC (slab)	P	Global Steel Philippines is considering upstream integration of its plant at Iligan, in Mindanao (in southern Philippines), by building an integrated steel works with a capacity of 3.6 million tpy of slabs for its rolling mills.	SBB 22-Jul-08
<u>Group Steel Corp</u>	Valenzuela, Luzon	(24)	ERW x 2					
<u>Jacinto Iron & Steel Sheets Corp</u>	Quezon	(22)	HGL Pig				In 1997, Jacinto Iron & Steel Sheets Corp commissioned a galvanizing and roll-forming plant in Quezon City.	
<u>Kudos Metal Corp</u>	Caloocan	(100)	STR					
<u>Lunar Steel Corp</u>	Pasig, Luzon	(192)	STR x 3					

Economy: **PHILIPPINES (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Marcelo Steel Corp (MSC)</u>	Punta Sta Ana, Manila		EF BTM (67) STR (83) WR					
<u>Martian Steel Corp</u>	Manila	(60)	STR					
<u>Maxima Steel Mills Corp</u>	Valenzuela, Luzon	(150)	STR					
<u>Mayer Steel Pipe Corp</u>	Binondo, Luzon	(84) (36)	ERW x 9 SAW x 2					
<u>Metro Concast Steel Corp</u>	Manila	50				P		
		(50) (50) (50)	EF x 2 CC (billet) STR WR					

Economy: **PHILIPPINES (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Midland Steel Corp</u>	Lugait, Mindanao		EF CC (billet)				Midland Steel Corp is a Lunar Steel's sister company.	
<u>Mindanao Steel Corp</u>	Lugait, Mindanao	(48)	HGL P'g					
<u>Pag-Asa Steel Works Inc</u>	Pasig, Luzon	(250) (100)	STR WR	(500)	(Possible) STR	2014	Pag-Asa Steel Works of the Philippines is planning to commence operations at its second 500,000 tpy capacity bar rolling mill by the second quarter of 2014. The second-hand mill from Japan will be capable of producing 10-50mm diameter rebar and will be located 10km from the company's existing 250,000 tpy rolling mill at Pasig, outside of Manila.	SBB 10-Oct-13
<u>Peninsula Steel</u>	Batangas	(90)	STR					
<u>Perfect Iron Corp</u>	Valenzuela, Luzon	(150)	STR					

Economy: **PHILIPPINES (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Philippine Nail and Wire Corp</u>	Lafinas, Manila	(100)	WR						
<u>Philsteel Holdings Corp</u>	Cabuyao, Luzon					P			
	Steel Corporation of the Philippines (Balayan, Luzon)	(90) (50)	HGL Ptg					Steel Corporation of the Philippines is a company of Philsteel Holdings Corporation. It has sister companies, namely, PhilSteel Coating Corporation, PhilMetal Corporation and SteelFrame Corporation.	NET
<u>Primary Steel Corp</u>	Valenzuela, Luzon	(70)	STR						
<u>Puyat Steel Corp</u>	Batangas, Luzon	(150)	HGL						
	Edsa, Mandaluyoug	(32)	Ptg						
<u>Rizal Integrated Steel Mills Corp</u>	Binondo, Luzon	(36)	HGL						

A 150,000 tpy HGL (continuous) was commissioned in 1998.

Economy: **PHILIPPINES (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Sacramento Steel Corp (formerly Coresteel Industries)</u>	Cagayan de Oro	(72)	(stainless steel) Cold			P		
<u>SKK Steel Corp</u>	Pampanga, Luzon	120						
		(120)	EF x 2 CC (billet) STR					
<u>Sornico Steel Mill Corporation</u>	Cavite, Luzon	(70)	STR					
<u>Sonic Steel Industries Inc</u>	Cavite, Luzon	(450)	HGL x 3					
<u>St Christopher Steel Corp</u>	Pasig	(60)	HGL x 2					
<u>SteelAsia Manufacturing Corp</u>	Batangas	300				P		
		(300)	EF					
		(250)	CC (billet)					
		(450)	STR					
							SteelAsia took over a 300,000 tpy mini-mill previously operated by the bankrupt Bacnotan Steel Corp in 2008.	SBB 01-Jun-11

Economy: **PHILIPPINES (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Bulacan			600 (Firm)		2014	2014	SteelAsia Manufacturing plans to install a 600,000 tpy meltshop at its Bulacan works. In 2013, the company ordered a new 800,000 tpy rebar mill, which is expected to commission by end-2014.	SBB 07-Jun-11 SBB 07-Oct-13
	Cebu	(550)	STR	(600) (800)	EF STR				
		(300)	STR	(400) (Unlikely)		2014-15	2014-15	SteelAsia Manufacturing plans to install a 400,000 tpy meltshop and a new rebar mill in Cebu in 2014-15. The company is currently in negotiations to acquire land for the new rebar mill at Balamaban, Cebu.	SBB 07-Oct-13 SBB 07-Jun-11
	Davao			(400) (800)	EF STR		2013	Steel Asia Manufacturing Corporation is expected to start its new 500,000 tpy of rolling mill to produce rebar at Davao by the end of 2013.	SBB 07-Oct-13 SEAI(SI) 28-Oct-13
<u>Stronghold Steel Corp (formerly Milwaukee Industries Corp)</u>									
	Pampanga, Luzon	160							
		(160)	EF x 2						
		(180)	CC (billet) x 2 STR						
<u>Super Industrial Corp</u>									
	Rizal, Luzon	(43)	ERW x 2						
<u>TKC Steel Corp</u>									
	Treasure Steelworks Corp (Iligan)	450			(Firm)	2013	2013	Treasure Steelworks Corp has set up and plans to operate two mini blast furnaces to boost its billet capacity. The two mini blast furnaces each measure 128 cubic metres, with the capacity to produce about 200,000 tpy of liquid iron.	SBB 19-Oct-10 MB 20-Sep-11 SBB 16-Oct-13
		(450)	EF x 2	(400)	BF (mini) x 2				
		(500)	CC (billet)						

Economy: **PHILIPPINES (11)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Union Galvasteel Corp (formerly Bacnotian Steel Corp.)</u>	Calamba, Mindanao					P		
		(60)	HGL					
		(40)	Ptg					
<u>Venus Steel Corp</u>	Cainta, Rizal							
		(100)	STR					
<u>Worldwide Steel Group Inc</u>	Cebu							
		(50)	STR					

Economy: **THAILAND**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Bangkok Steel Industry Public Co Ltd</u>	Phrapradaeng, Samutprakarn	500				P			
		(500)	EF x 2						
		(500)	CC (billet) x 2						
		(1000)	STR x 2						
		(300)	HGL x 2						
		(100)	Ptg						
<u>Bangsaphan Barmill Public Co Ltd</u>						P			
Bangsaphan, Prachuabikirkhan		(720)	STR					Bangsaphan Barmill Public Co Ltd belongs to the Sahaviriya group.	
<u>BlueScope Steel (Thailand) Ltd (formerly BHP Steel Thailand Ltd)</u>						P			
Map Ta Phut, Amphur Muang, Rayong		(350)	Cold						
		(375)	HGL x 2						
		(90)	Ptg						
<u>BNS Steel Group Co Ltd</u>									
Chonburi		250							
		(250)	EF						
		(250)	CC						
		(240)	STR						
<u>BRP Steel Co Ltd (formerly Burapa Steel Industries)</u>									
Rayong									
								(Unlikely)	
		(300)	STR					EF	

Economy: **THAILAND (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Canadoil Group and Sumitomo Metals JV</u>					(Firm)	2012	Japan's Sumitomo Metal Industries (SMI) and Canada's Canadoil Group have concluded an agreement under which the Japanese steelmaker invested in a new plate mill project in Thailand and provided operating assistance and slab feeds. The project is the 1.2m tpy 5-metre plate mill Canadoil was building in Rayong province on Thailand's eastern seaboard and scheduled to start from late 2012.	SBB 28-Oct-10 HP
<u>Chonvinya Steel Co Ltd</u>		(119)	STR					
Phrapradaeng, Samutprakam								
<u>G Steel Public Co Ltd (formerly Siam Strip Mill Co.)</u>		1800						
Bankhai Rayong Province								
		(1800)	EF x 2					
		(1800)	CC (slab)					
		(1800)	LF x 2					
		(1800)	Hot					
		1500						
GJ steel Public Company Ltd (Chonburi)		(1500)	EF					
		(1500)	CC (tsc)					
		(1500)	Hot					
		(400)	HGL					
							The company was formerly known as Nakhonhai Strip Mill Public Company Limited and changed its name to GJ Steel Public Company Limited in 2008.	

Economy: **THAILAND (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>JFE Steel Galvanizing (Thailand) Ltd</u>	Rayong				(Firm)	P	2013	In April 2013, Japan's JFE Steel commissioned a 400,000 tpy continuous galvanizing line at the Hemaraj Eastern Seaboard Industrial Estate of Rayong Province in Thailand to meet growing demand from auto makers. The plant can produce HDG sheet with 0.4-2.3mm thickness and 800-1,880mm width, designed to match the needs of Japanese auto makers in particular.	SBB 24-Apr-13 SEAI(SI) 28-Oct-13
<u>Kasemsakdi Trading Co Ltd</u>		180				P			
		(180)	EF						
		(180)	CC (billet)		(400) HGL				
		(180)	STR						
<u>LPN Plate Mill Public Co Ltd</u>	Samutprakarn					P			
		(400)	Plate						
<u>Namheng Steel Co Ltd</u>	Lopburi	300							
		(300)	EF						
		(300)	LF						
		(300)	BTM						
		(300)	STR						

Economy: **THAILAND (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Nippon Steel & Sumikin Galvanizing (Thailand) Co Ltd</u>	Rayong			(360)	HGL (Firm)	P	2013	In October 2013, Nippon Steel & Sumitomo Metal Corp (NSSMC) began commercial production at its new 360,000 tpy hot-dip galvanized and galvanized sheets production plant in eastern Thailand.	SBB 03-Oct-13 SEAI(S) 28-Oct-13
<u>POSCO-Thainox Public Company Limited (formerly Thainox Stainless Plc.)</u>	Rayong	(350) (300)	(stainless steel) CAPL Cold (stn) x 3			P		POSCO-Thainox Public Company Limited (POSCO-Thainox), Thailand's only manufacturer and distributor of premium cold-rolled stainless steel sheets and coils, was founded on 30 July 1990 as a joint venture between the world's leading steel industry groups from France (Arcelor), Japan (Nippon Steel), and Thailand (Mr. Prayudh Mahagitsiri). On 20 September 2011, POSCO, Global Steel and Stainless Steel Maker acquired Thainox.	HP
<u>Sahamitr Steel Co Ltd</u>	Rayong	(450)	STR						
<u>Sahaviriya Plate Mill Public Co Ltd (SPM)</u>	Bangpakong	(1000)	Plate			P		Sahaviriya Plate Mill Public Company Limited (SPM) is one of manufacturer located in Sahaviriya Steel Complex in Bangpakong.	
<u>Sahaviriya Steel Industries Public Co Ltd (SSI)</u>	Bang Saphan Works (Prachuap Khiri Khan)	(4000) (1000)	Hot CAPL			P			

Economy: **THAILAND (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
	Upstream plant project			(5000)	(Unlikely)		Sahaviriya Steel Industries planned to build a new integrated steel plant with a capacity of 4.5 million tpy of hot metal and 5 million tpy of slab and billet. However, the project was delayed due to political instability.	SBB 05-May-10 SBB 21-Nov-08
<u>Samchai Steel Industries Pcl</u>	Samutsakorn	(350)	ERW		BF Steelmkg			
<u>Siam Matsushita Steel Co Ltd</u>						P		
<u>Siam Nippon Steel Pipe Co Ltd</u>	Rayong	(50)	ERW			P		
<u>Siam Steel Syndicate Co Ltd</u>	Samutprakarn	(48)	ERW x 2			P		
		110						
		(110)	EF					
		(110)	CC (billet)					
		(240)	STR x 2					
<u>Siam Tinplate Co Ltd</u>	Map Ta Phut, Rayong	(260)	Tin Plate x 2			P		

Economy: **THAILAND (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Siam Yamato Steel Co Ltd</u>	Map Ta Phut, Rayong	1330				P			
		(1330)	EF x 2						
		(700)	CC (billet)						
		(1100)	STR x 2						
			LF						
<u>Tata Steel (Thailand) Plc (formerly Millennium Steel)</u>						P			
	NTS Steel (Chonburi)	1100							SBB 27-Jan-10
		(400)	WR					Tata Steel Thailand commissioned a new 500,000 tpy blast furnace in 2009 at the NTS steel plant, which has a rolling capacity of 800,000 tpy. Tata Steel, India's second-biggest steelmaker, completed the acquisition of a 67.11% share in Thailand-based Millennium Steel in 2006.	
		(500)	BF						
		(600)	EF						
		(500)	LD						
		(600)	CC (billet)						
		(400)	STR						
		600							
	Siam Construction Steel (Muang Rayong)	(600)	EF						
			LF						
		(600)	CC (billet)						
		(500)	STR						
		280							
	Siam Iron & Steel (Saraburi)	(280)	EF						
		(280)	CC (billet)						
		(200)	STR						
		(200)	WR						

The total rolling capacity of this facility (one bar mill & one light section mill) is 400,000 tpy.

Economy: **THAILAND (7)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Thai Coated Steel Sheet Co Ltd</u> Bang Saphan, Prachubkirkhan		(180)	EGL			P		Thai Coated Steel Sheet (TCS) is a joint venture between Sawiriyaya and Japanese interests, and began commercial operations in 1994.	
<u>Thai Cold Rolled Steel Sheet Public Co Ltd</u> Bangsaphan, Prachuabkirkhan		(1000)	Cold			P		Japanese trader Manubeni-Itochu Steel has acquired shares that its parents had in two JFE Steel Group re-rollers in Thailand. The Tokyo-based trader announced in April 2011 that it had purchased 22.2% of the shares in Thai Cold Rolled Steel Sheet (TCR) from trader Marubeni Corp and 14.9% of shares in Thai Coated Steel Sheet (TCS) from another trader, Itochu Corp.	SBB 14-Apr-11
<u>Thai government integrated steel mill project</u> Songkhla or Chanthaburi				(5000)	(Unlikely) (5000) BF (5000) Steelmkg			The sites chosen for a major state-backed integrated steelworks are in Ranot district in Songkhla in southern Thailand and in Laem Sing district in Chanthaburi, on the country's eastern seaboard. Each is said to span about 1600 hectares. They relate to plans first proposed by the Thai government in late 2007 to create a steel industry hub with foreign help to provide the raw materials for Thailand's automotive, shipbuilding and appliance industries. It is envisaged that the steelworks will have a capacity of 5 million tpy.	SBB 02-Dec-10 MB 13-Nov-08
<u>Thai Intersteel Group Co Ltd</u> Phetchaburi				(350)	(Unlikely) (350) Steelmkg (350) CC (billet)			Thai Intersteel, a Thai-Chinese joint venture project, plans to build a 350,000 tpy billet plant in Phetchaburi.	NET

Economy: **THAILAND (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Thai Special Steel Industry Public Co Ltd (TSSI)</u>	Rayong					P		
<u>Thai Steel Bars Co Ltd</u>	Samutprakarn	(500)	WR			P		
		120						
		(120)	EF					
		(120)	CC (billet)					
		(120)	STR					
<u>Thai Steel Pipe Industry Co Ltd (TSP)</u>	Amata Nakorn, Chonburi					P		
		(43)	ERW x 2					
<u>Thai Steel Profile Co Ltd</u>								
		(320)	STR					
<u>Thai Tinplate Manufacturing Co Ltd</u>	Phrapradaeng, Samutprakarn					P		
		(552)	Tin Plate x 4					
<u>Thai Tube Co Ltd</u>						P		
		(100)	ERW					

Economy: **THAILAND (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Thai Unique Coil Center Public Co Ltd</u>	Samutprakarn		(stainless steel) Rolling ERW					
<u>Thai-Asia Steel Pipe Co Ltd</u>	Samutprakarn							
<u>Thai-German Products Public Co Ltd</u>	Rayong		ERW			P		
<u>Thailand Iron Works Public Co Ltd</u>	Phrasamutjede District, Samutprakarn	(50)	(stainless steel) ERW			P		
<u>The Bangkok Iron & Steel Works Co Ltd</u>	Phirapraedaeng, Samutprakarn	(90) (17)	HGL x 3 Ptg	240		P		
		(240)	EF					
		(240)	CC (billet)					
		(120)	STR					
		(120)	WR					
			LF					

Economy: **THAILAND (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>The Sangkasi Thai Co Ltd</u>	Bangpoo	(100) (30)	HGL x 3 Ptg					
	Parknam	(20)	Ptg x 2					
<u>The Siam United Steel (1995) Co Ltd (SUS)</u>						P		
	Map Ta Phut, Rayong							
<u>Tico Steel (Thailand) Co Ltd (formerly Thai-India Steel)</u>		(1000)	Cold					
	Phrapradaeng, Samutprakarn	80						
		(80)	EF					
		(80)	CC (billet)					
		(120)	STR					
<u>Triumph Steel Co Ltd</u>						P		
	Samutprakarn	100						
		(100)	EF					
		(100)	CC (billet)					
		(120)	STR x 3					
<u>Tycoons Worldwide Group (Thailand) Public Co Ltd</u>								
	Rayong							
		(360)	WR					
		500 (Possible)					2013 Tycoons Worldwide Group announced in 2011 that the company intended to build an electric furnace in Thailand. The designed annual capacity of this new billet production line is estimated at 500,000 tpy.	SBB 22-Sep-11 NET
		(500)	EF CC (billet)					

Economy: **THAILAND (11)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source

UMC Metals Ltd (formerly Union Metal Co.)

Chonburi 500

(500) EF

LF

(500) CC (billet)

(200) STR

Economy: **VIET NAM**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>An Hung Tuong Co., Ltd</u>	Binh Duong			300 (Firm)		2012-13	2012-13	An Hung Tuong Co's 300,000 tpy induction furnace was put into operation in Binh Duong in 2012. The company is expected to commission its rolling mill in 2013.	SBB 03-Jul-13
<u>BlueScope Steel Vietnam Ltd</u>	Phu My, Ba Ria-Vung Tau	(125) (50)	HGL Pig	(300) (250)	IF STR				
<u>Central Vietnam Metal Corp</u>	Da Nang	(50)	STR						
<u>China Steel Sumikin Vietnam Joint Stock Company</u>	My Xuan, Ba Ria-Vung Tau				(Firm)	P	2013	China Steel Sumikin Vietnam Joint Stock Co (CSVC), a Chinese Taipei-Japan joint venture, commissioned its new plant located at My Xuan A2 industrial zone, in South Viet Nam's Ba Ria-Vung Tau province. The company has a total production capacity of 1.2 million tpy comprising 200,000 tpy for hot rolled coil pickled and oiled; 500,000 tpy for cold rolling; 300,000 tpy for coated steel and 200,000 tpy for electrical sheet.	SBB 16-Oct-13 SEAI/SI 28-Oct-13

Economy: **VIET NAM (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Cuu Long Vinashin Steel Joint Stock Company</u>								
	Hai Phong	550						
		(550)	EF					
		(550)	CC (billet)					
		(220)	STR					
		(600)	Plate					
<u>Da Nang Steel Company (Vietnam Steel Corp Group)</u>								
	Da Nang	45						
		(45)	EF					
		(70)	WR					
<u>DaNa-Y Steel Joint Stock Company</u>								
	Da Nang				350 (Firm)		2012 In 2012, Dana-Y Steel started operating its 350,000 tpy EAF-based plants in Da Nang province. The new meltshop hosts a 40-tonne EAF and can produce long products.	SBB 03-Jul-13
					(350) EF			
					(250) STR			
<u>Dinh Vu Steel Stock Company</u>								
	Hai Phong	200						
		(250)	BF					
		(200)	EF					
		(200)	CC (billet)					
		(200)	STR					

Economy: **VIET NAM (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>E United & Tycoons Group's steel project</u>	Dung Quat, Quang Ngai			(3000)	(Unlikely)	2013	2013 :- United and Tycoons Worldwide planned to start the first phase of their integrated project at Dung Quat Industrial Zone, in Quang Ngai province, in 2013. This will host 3 million tpy of crude steel capacity.	SBB 28-Feb-11 SBB 25-May-10
<u>Formosa Plastics Group</u>	Integrated steel mill project (Vung Ang, Ha Tinh)			(8400)	(Unlikely)	2015-17	(1st phase) Chinese Taipei's Formosa Plastics Group (FPG) started its integrated steel mill project in Ha Tinh province, Viet Nam in December 2012. In August 2013, the group signed a joint venture agreement with iron ore miner Fortescue Metals Group, and the deal includes a purchase agreement for up to 3 million tpy of iron ore at market prices for Formosa's new Ha Tinh steelworks in Viet Nam. It is reported that FPG intends to reduce the share it currently holds in its integrated steelworks project and is expected to seek additional investors for the project. In late September 2013, FPG's board approved a reduction in investment in the project which would reduce the group's stake from the current 85% to 59%. The company is expected to reduce its holding even further. Meanwhile, construction on the No.1 blast furnace is on schedule, with the 3.5 million tpy furnace to be fired around end-May 2015. Two more furnaces of the same capacity will start around end-May 2016 and end-May 2017 respectively, yielding a combined a capacity of 10.5 million tpy. In the project's second phase, the company plans to build another three blast furnaces with a total capacity of 12 million tpy, which will take the entire project's capacity to 22.5 million tpy.	SBB 05-Dec-12 SBB 04-Oct-13 SBB 10-Oct-13 SBB 19-Aug-13

Economy: **VIET NAM (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Fuoco Steel</u>	Phu My, Ba Ria-Vung Tau			1000 (Firm)			2012	In 2012, Fuoco Steel commissioned its 1 million tpy EAF-based plants in Ba Ria-Vung Tau province. The new meltshop hosts a 90-tonne EAF and can produce billets.	SBB 25-Aug-09 SBB 03-Jul-13
				(1000) EF					
				(1000) CC (billet)					
						P			
<u>Hai Phong Steel Joint Stock Company (HPS)</u>				500 (Firm)			2012	Hai Phong Steel's 500 000 tpy induction furnace project was put into operation in Hai Phong in 2012.	SBB 03-Jul-13
	Hai Phong	(350)	STR	(500) IF					
				(500) CC (billet)					
						P			
<u>Hoa Phat Group</u>				500 (Firm)			2013	Hoa Phat Group commissioned its new integrated steel plant with a 550 cubic metre blast furnace and 450,000 tpy of rolling capacity to produce rebar and wire rod in September 2013. The new work hosts a blast furnace, an electric arc furnace and three continuous billet casters.	SBB 03-Jul-13 SEAIISI 28-Oct-13 NET 13-Nov-13
	Hai Duong	(350)	STR	(500) BF					
				(500) EF					
				(500) CC					
				(450) STR					
						P			
	Hoa Phat Steel Pipe Co Ltd	(100)	ERW						
		200							
	Hung Yen	(200)	EF						
		(200)	CC (billet)						
		(250)	WR						

Economy: **VIET NAM (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hoa Sen Group (Lotus Steel)</u>	Phu My, Ba Ria-Vung Tau	(400) (450) (250)	Cold HGL Pig	(1500) (100)	(Firm) Hot HGL	P	2012-13	Viet Nam's Hoa Sen Group recently started operating one of its two new cold rolling reversing mills, located at its existing operations at Phu My Industrial Park in southern Viet Nam's Ba Ria-Vung province. Each line has installed capacity of 200,000 tpy for 0.11-3.0mm thick CRC. It will be capable of producing 100,000-150,000 tpy of hot-dip galvanized and galvalume coil of 0.11-1.2mm thickness.	SBB 16-Mar-11 SBB 31-Mar-10
	Song Than, Binh Duong	(200) (100) (100)	Cold HGL x 2 Pig x 2						
<u>Hot strip mill project (Vietnam Steel Corp & Danieli JV)</u>	Phu My, Ba Ria-Vung Tau				(Possible)		2013	Plans by Vietnam Steel Corp (VNSteel) to set up the country's first hot strip mill – Southern Steel Sheet Co (SSSC) – at Phu My industrial zone in the southern Viet Nam province of Ba Ria-Vung Tau is facing delays due to difficulties in raising the project's estimated USD 527m investment cost.	SBB 24-Mar-11 SBB 16-Mar-10 NET
<u>Hung Thinh Phat</u>	Phu Tho	500			Hot				
		(500) (500)	EF CC (billet)						
<u>Hung Yen Steel Joint Stock Company</u>	Hung Yen	200							
		(200) (200)	EF CC (billet)						

Economy: **VIET NAM (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hyundai-Huy Hoang Pipe Co Ltd</u>	Dong Nai					P			
			ERW						
<u>J-Spiral Steel Pipe Co Ltd (formerly Jeong An Vina)</u>	Dong Nai	(50)	ERW					JFE Steel, Maruichi Steel Tube and trader Toyota Tsusho acquired a steel pipe pile and sheet pile producer in Viet Nam, Jeong An Vina, for about JPY 1.3bn. Jeong An Vina currently produces about 10,000 tpy of pipe and its new owners aim to lift production to its installed capacity of 50,000 tpy eventually.	SBB 16-Nov-10 HP
<u>Kyoei Steel Vietnam Co.Ltd</u>	Ninh Binh	(300)	STR	(500)	500 (Firm) EF Rolling	P	2014	Kyoei Steel Vietnam Company (KSVC) will add a 500,000 tpy melt shop and rolling facility. The company will have total capacity of 500,000 tpy with rolling capacity of 950,000 tpy.	SBB 11-Sep-12
<u>Maruvena</u>	Ho Chi Minh	(18)	HGL						
<u>Nam Kim Steel Joint Stock Company (Nakisco)</u>	Binh Duong	(35) (25)	HGL Ptg	(200) (200)	(Firm) ZnAl HGL Cold Ptg		2012	Nam Kim Steel Joint Stock Co of Viet Nam has started operating its new 200,000 tpy cold strip rolling mill. The new complex is located in the Dong An II Industrial Park in the southern Vietnamese province of Binh Duong where Nam Kim started operating an aluminium-zinc coating line of 150,000 tpy capacity and a hot-dip galvanizing line of 100,000 tpy in 2012. It also started one pre-painting line of 200,000 tpy in early 2012.	SBB 27-Jun-12 SBB 19-Aug-11

Economy: **VIET NAM (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>NatSteelVina Co.Ltd</u>	Thai Nguyen	(120)	STR			P		India's Tata Steel Ltd completed the acquisition of the steel business of NatSteel Ltd in February 2005. As part of the transaction, the company subscribed to the 100% equity of NatSteel Asia Pte Ltd. All steel assets of NatSteel in Singapore, Malaysia, Thailand, Viet Nam, Philippines, Australia and China (except Changzhou Wujin Natsteel) were transferred to NatSteel Asia. The Viet Nam plant of NatSteel has a rolling capacity of 120,000 tpy.	
<u>Nghi Son Iron & Steel</u>	Thanh Hoa				1000 (Firm)		2013	Nghi Son Iron & Steel Corporation (NSI) has ordered an electric arc furnace capable of producing 1 million tpy from Italy-based plant maker Tenova. The EAF will be part of NSI's planned Thanh Hoa province plant, which was scheduled to start production in the second quarter of 2013. Initially the meltshop will produce commercial grade billet, with rebar and light sections being the primary final product.	SBB 22-Jun-11
<u>Nippon Steel & Sumikin Pipe Vietnam Co., Ltd</u>	Phu My, Ba Ria-Vung Tau	(60)	SAW			P			
<u>Others</u>		605							

Economy: **VIET NAM (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Phu My Steel Company (Vietnam Steel Corp Group)</u>						S			
	Phu My, Ba Ria-Vung Tau	(400)	Cold						
<u>POSCO Specialty Steel (Posco SS)</u>									
	Phu My, Ba Ria-Vung Tau			1000 (Firm)			2014	Korea's POSCO Specialty Steel (POSCO SS) began building its first overseas plant, breaking ground on a new 1 million tpy carbon long steel product plant in southern Viet Nam. Hosting a 120-tonne electric-arc furnace and two rolling mills, the plant will produce medium- to large-sized sections and bars, and should be commissioned by July 2014. Danieli is the core equipment supplier and the project will cost about USD 594 million.	SBB 28-Jun-12
<u>POSCO-Vietnam Co Ltd</u>						P			
	Phu My, Ba Ria-Vung Tau	(1200)	Cold		(Unlikely)			POSCO-Vietnam was planning construction of a 3 million tpy hot rolling mill in Viet Nam. Construction was initially planned to start in October 2010 with production commencing in December 2012, but the company has faced delays. The hot rolling mill was to be part of POSCO-Vietnam's complex in Ba Ria-Vung Tau province. POSCO-Vietnam is also looking into adding 1.5 million tpy of cold rolling capacity to its current capacity of 1.2 million tpy. POSCO-Vietnam, an 85:15 joint venture between POSCO and Nippon Steel, is the newest and largest flat mill in Viet Nam.	MB 24-May-10
<u>POSCO-VST (formerly Asia Stainless Corp)</u>						P			
	Vung Tau, Dong Nai	(85)	Cold (stn)		(Firm)		2012	This project is a two-stage expansion at VST with a 100,000 tpy CR mill introduced along with a 200,000 tpy annealing line commissioned in February 2012.	HP SBB 14-Dec-10

Economy: **VIET NAM (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Vung Tau, Dong Nai (expansion project phase 2)				(Firm)		2014	In a second phase to start after the No.2 CR mill is started, POSCO will install another 100,000 tpy CR mill to be commissioned by 2014.	SBB 14-Dec-10 HP
<u>Posvina Co Ltd</u>	Ho Chi Minh				(100) Cold (stn)	S/P			
		(40) (35)	HGL P'tg						
<u>SeAH Steel Vina Corp (formerly Saigon Steel Pipe)</u>	Dong Nai					P			
		(182)	ERW x 5						
<u>Shengli (Vietnam) Special Steel Co Ltd</u>	Thai Binh	500	(special steel) EF x 2 LF						
		(500)	CC (billet) STR WR						
		(500) (300) (300)							
<u>Song Da Corp</u>	Song Da Steel	400				P		Song Da Steel Joint Stock Corp started commercial operations at its VND 964bn EAF billet plant located at Hai Phong city, northern Viet Nam in 2010.	SBB 26-Jan-10
		(400) (400)	EF CC (billet)						
	Vietnam-Italy Steel (Viet-Y)	400							
		(400)	EF						

Economy: **VIET NAM (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Song Hong Steel</u>	Phu Tho	(180)	WR					Song Hong Steel opened a steel factory in January 2009 in Phu Tho with a production capacity of 180,000 tonnes of steel a year.	NET
<u>Southern Steel Corporation (Vietnam Steel Corp Group)</u>						S			
	Bien Hoa Steel Works	130							
		(130)	EF						
		(70)	CC (billet)						
		(150)	STR						
	Nha Be Steel Works	60							
		(60)	EF x 2						
			CC (billet)						
		(160)	STR x 2						
	Phu My Steel Works	500							
		(500)	EF						
		(500)	LF						
		(500)	CC (billet)						
		(400)	STR						
	Sadakim	5							
		(5)	IF						
	Tan Binh Steel Works	15							
		(15)	EF						
			CC (billet)						

Economy: **VIET NAM (11)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Tan Thuan Steel Works	70							
		(70)	EF BTM STR						
	Thu Duc Steel Works	80							
		(80)	EF x 2						
		(80)	CC (billet)						
		(160)	STR						
Southern Steel Sheet Co Ltd						S/P			
	Dong Nai	(100)	HGL					Southern Steel Sheet Co Ltd is a joint-venture of Southern Steel Corporation and foreign partners such as Sumitomo Corporation (Japan) and Federal Iron Works SDN BHD (Malaysia).	HP
		(70)	Ptg						
SSESTEEL (Vietnam Industrial Investments)						P			
	Haiphong	(300)	WR STR	(500)	(Unlikely) EF CC (billet)			Australia-listed Vietnam Industrial Investments (VII) is expected to progress in its 500,000 tpy billet plant project in Haiphong. The Vietnamese government approved the project in February 2008. The billets would be primarily used in-house, being supplied to the group's re-rollers SSESteel and Vinausteel.	SBB 09-Jun-10

Economy: **VIET NAM (12)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Sun Steel Joint Stock Company (SUNSCO)</u>						P			
	Bihn Duong	300							
		(300)	EF CC						
		(300)	STR						
		(250)	Cold						
		(180)	HGL						
		(60)	Ptg						
		(240)	ERW						
	Hanoi								
		(36)	ERW						
<u>Tam Diep Rolling Mill Co Ltd (Pomihoa Steel)</u>						P			
	Ninh Binh							The company produces deformed bars and wire rods.	
		(360)	WR						
<u>Tata Steel & Vietnam Steel Corp JV</u>									
	Ha Thinh								SBB 31-Jul-12 SBB 24-May-13
				(4500)	(Unlikely)			Tata Steel had earlier planned to launch a 4.5 million tpy integrated plant in the province of Ha Tinh, through a joint venture with Vietnam Steel Corp and Vietnam Cement Industries Corp. In May 2013, it was reported that the company abandoned the project to build a greenfield integrated steel mill in Viet Nam.	
				(4500)	Steelmkg				
				(4500)	Hot				
					Cold				
<u>Thai Trung Rolled Steel Joint Stock Co</u>						S/P			
	Thai Nguyen								
		(500)	WR						

Economy: **VIET NAM (13)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Thanh Loi Steel</u>	Da Nang	120							
		(120)	EF						
		(150)	STR						
<u>Thep Viet - Pomina Steel</u>	Binh Duong	(600)	STR x 2			P		Thep Viet's 56%-owned subsidiary Pomina Steel runs two 300,000 tpy capacity rolling mills (combined 600,000 tpy). Rebar, wire rod and section output is sold locally. Pomina, which is located in Binh Duong province 60km away from Thep Viet's plant, is currently wholly dependent on imported billet including material from China.	SBB 08-Nov-07
		500		1000	(Firm)		2012	Pomina Steel Holdings implemented 1 million tpy EAF-based plants in Ba Ria-Vung Tau province in 2012. The new meltshop hosts a 120-tonne EAF and can produce billets.	SBB 26-May-11 SBB 03-Jul-13
		(500)	EF	(1000)	EF				
		(500)	LF	(1000)	LF				
		(500)	CC (billet)	(1000)	CC (billet)				
		(450)	STR						
<u>Thong Nhat Flat Steel Joint Stock Co. (Vietnam Steel Corp Group)</u>						S			
	Phu My, Ba Ria-Vung Tau	(200)	Cold						

Economy: **VIET NAM (14)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>TISCO Thai Nguyen Iron & Steel Company (Vietnam Steel Corp Group)</u>								
	Thai Nguyen	760				S		
		(750)	BF x 3					
		(500)	LD					
		(260)	EF					
		(760)	LF x 2					
		(760)	CC (billet) x 2					
		(500)	STR x 2					
		(200)	WR x 2					
<u>Van Loi Group</u>								
	Haiphong	750						
		(480)	BF					
		(250)	LD					
		(500)	EF					
		(180)	WR					
		(600)	CC (billet)					
<u>Viet Trung Mining and Metallurgy Co Ltd</u>								
	Lao Cai							
		500	(Firm)			2013	Viet Trung Mining and Metallurgy Co Ltd has kicked off construction work on a new cast iron and steel mill with a designed capacity of 1 million tpy. The company was expected to commission its new plant that has a 550 cubic metre blast furnace and 500,000 tpy of billet capacity by the end of 2013.	SBB 03-Jul-13 SEAI SI 28-Oct-13
<u>Vietnam Germany Steel Pipe (VG Pipe)</u>								
	Binh Xuyen, Vinh Phuc	(200)	Cold					
		(60)	ERW					

Economy: **VIET NAM (15)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Vietnam Steel Corp (VSC)</u>	Steel plant project in Can Tho			(550)	(550) (Unlikely)	S	2013	Vietnam Steel Corp (VSC) officially asked local authorities from Can Tho for permission to rent 50 hectares to build a steel mill in the Hung Phu I Industrial Zone. The mill has a designed capacity of 500,000 tpy of steel billet and 500,000 tpy of rolled steel per year, which was expected to come into operation by 2013. The project is estimated to have cost USD 200-250 million.	SEAIISI NET
<u>Vietnam Steel Corp & Kunming I&S JV</u>	Lao Cai			500	(500) BF (500) LD (500) CC (billet)	S	2012	The first phase of constructing a steel plant in Viet Nam, involving a joint venture between southern China steelmaker Kunming Iron & Steel (Kungang), Vietnam Steel Corp (VSC) and local miner Lao Cai Mining, began several years ago. This first phase of construction included building a 500 cubic metre blast furnace, together with one 50-tonne converter and one 500,000 tpy billet caster. Commissioning of the plant was planned for late 2012. Kungang and VSC each have a 45% share in the steelworks and Lao Cai Mining holds the remaining 10%.	SBB 22-Apr-11
<u>Vietnam Steel Products Ltd</u>	Hanoi	(30)	ERW			P			

Economy: **VIET NAM (16)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Vina Kyoei Steel Ltd</u>	Phu My, Ba Ria-vung Tau	(450)	STR WR	(500)	500 (Firm) EF LF CC (billet) STR	S/P	2014 n June 2012, Japanese-invested rebar maker Vina Kyoei Steel broke ground on its long-planned upstream expansion. The company plans to install a meltshop, a billet caster and rolling facilities with the aim of commissioning the facility in 2014. The company will have a total capacity of 500,000 tpy.	SBB 11-Sep-12 SBB 13-Jun-12	
<u>Vinapipe (Vietnam Steel Pipe)</u>	Haiphong					S/P			
<u>Vinausteel</u>	Haiphong	(40)	ERW			S/P		Vinausteel produces only deformed bars and has a capacity of 250,000 tpy, following modifications that lifted this from 180,000 tpy previously.	SBB 09-Jun-10
<u>Vingal Industries Co Ltd</u>	Dong Nai					S/P			
<u>VSC-POSCO Steel Corp (VPS)</u>	Haiphong	(40)	ERW			S/P			
		(270)	WR						

Economy: **OTHERS**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
BANGLADESH								
<u>Abul Khair Steel Products Ltd</u>	Chittagong	(300) Cold (150) HGL						
<u>Bangladesh Steel Re-Rolling Mills Ltd (BSRM)</u>	Chittagong	275	(125) Steelmkg (280) BTM (550) STR x 2 (150) IF x 2					
<u>Bashundhara Steel Complex Ltd</u>	Jagir, Manikganj	100						
<u>Essar Steel & local companies JV</u>	Steel mill project in Chittagong	(100) IF (60) STR CC (billet)		(2000) (Unlikely) (2000) Steelmkg		P	India's Essar Steel Holdings was reported several years ago to be setting up a 2 million ton steel plant using natural gas as the main source of fuel. The steel plant, estimated to cost INR 80 billion, will make both long and flat products. Essar Group will hold 60% of the company with the remaining held by S Alam Group, PHP, KDS and Abul Khair.	MB 14-Aug-08

Economy: **OTHERS (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Kabir Steel Re-Rolling Mills Ltd (KSRM)</u>	Sitakunda, Chittagong	(150)	STR	(300)	(300) STR (Possible)		Kabir Steel Re-rolling Mills (KSRM) was reported to be planning setting up a 300,000 tonnes mild steel rod plant in Chittagong. The plant would cost over BDT 5 billion and include a 50-megawatt power plant to supply uninterrupted electricity to the factory.	NET 12-Mar-08
<u>Karnaphuli Steel</u>		(100)	Cold					
<u>PHP Group</u>	Chittagong	(300) (180)	Cold x 2 HGL x 2					
<u>Rahim Group</u>	Diamond Steel Products	(46) 120	STR					
	Rahim Steel Mills		EF IF					
		(120) (120) (12)	CC (billet) STR Plate					
	Sonargaon Steels	(29)	STR					

Economy: **OTHERS (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Ratanpur Steel Re-Rolling Mills (RSRM)</u>	Chittagong	200						
		(200)	Steelmkg					
		(400)	STR					
<u>RM Steel Mills</u>	Dhaka							
			Cold					
			EGL					
<u>CAMBODIA</u>								
<u>Eastern Steel Industry Corp</u>	Phnom Penh					P		
		(12)	HGL					
<u>Sun Wah Galvanizing</u>	Sihanoukville							
		(12)	HGL					
<u>HONG KONG, CHINA</u>								
<u>Shiu Wing Steel Limited</u>	Tap Shek Kok					P		
		(750)	STR					

Economy: **OTHERS (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
LAOS									
<u>Lao Iron & Steel Co Ltd (Kunming I&S)</u>									
	Xaythany district of Vientiane			200 (Firm)			2011-12	Kunming Steel, a unit of China's no.4 steelmaker Wuhan Steel, was reported several years ago to have been constructing a 200,000 tpy rebar facility in Laos. The Chinese steelmaker was investing in Laos together with the Shanghai Corporation For Foreign Economic & Technological Cooperation, an engineering and overseas labour contractor. The steelmaker holds a 70% stake. The first phase of the project was expected to cost USD 118 million.	MB 27-Oct-10 SBB 11-May-10
				(200)	Steelmkg STR				
<u>Vientiane Steel Industry Co Ltd</u>									
	Hatxayfong District, Vientiane	(150)	STR						
MONGOLIA									
<u>Darkhan Metallurgical Plant</u>									
	Darkhan-Uul	100							S
		(100)	EF CC (billet) STR						
MYANMMAR									
<u>Ace Metal Industries Co Ltd</u>									
	Yangon	(4)	ZnAl						

Economy: **OTHERS (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Dagon Steel Ltd</u>	Hlaingthayar Industrial Zone	(14)	HGL					
<u>Myanmar POSCO Steel</u>	Yangon	(30)	HGL			S/P		
<u>Myanmar Steel Industries Co</u>	Yangon	(24)	HGL P'ig					
<u>No.1 Steel Plant (Kyaukswekyo)</u>	Kyaukswekyo, Aunglan, Bago	(200)	STR			S		
<u>No.2 Steel Plant (Myaungdagat)</u>	Hmawby, Yangon	(120) (150)	STR Plate			S		

Economy: **OTHERS (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>No.3 Mining Enterprise</u>									
No.1 PyinOoLwin Iron & Steel Factory		30				S		No.3 Mining Enterprise is headquartered in Yangon.	
		(40)	DR x 2						
		(30)	EF x 2						
		(42)	CC (billet) STR						
<u>No.3 Steel Plant (Ywama)</u>									
Ywama		50				S			
		(50)	EF WR STR						
<u>No.4 Steel Plant (Myingyan)</u>									
Myingyan, Mandalay		200			(Unlikely)			In December 2010, Deputy Minister at the time, U Aye Myint presented plans to implement phase two of the project in order to extend production of the plant based on types and numbers of steel products. Phase two will include ten main factories: a direct reduction iron plant, a steel making plant, a hot strip mill, a cut to length line, a push and pull picking line, a cold strip mill, a cut to length line, a batch annealing line for cold-rolled coils, a reheating furnace for slab thickness up to 250 mm and a slab molding machine. It will also include a galvanizing/ aluzinc line, a colour coating line, a slitting line and a sheet forming line. The implementation of phase two of the project has started.	NET
		(200)	EF LF CC (billet) CC (slab)		DR Steelmkg Hot Cold				

Economy: **OTHERS (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>No.5 Steel Plant (Pinpet)</u>	Shan State					S		
NEPAL		(200)	BF					
<u>Ashok Steel Industries</u>	Jeetpur, Bara	16				P		
		(16)	Steelmkg					
		(16)	STR					
<u>Himal Iron & Steel</u>	Parwanipur, Birgunj	(40)	STR			P	In 1971, Himal Iron & Steel brought a rolling mill into operation in the southern district of Parwanipur.	
<u>Jagdamba Steels (Shanker Group)</u>	Simra, Bara	240				P		
		(240)	IF					
		(160)	CC (billet)					
			STR					
			WR					
<u>Panchakanya Steel</u>	Bhairahawa, Lumbini Zone	(19)	STR			P		

Economy: **OTHERS (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
NORTH KOREA									
<u>China's Tangshan I&S Steelmaking JV in North Korea</u>	Kimchaek			(1500)	(Unlikely)			China's Tangshan Iron & Steel was reported several years ago to be finalising details of a planned 1.5 million tpy steel joint venture in North Korea which would make it the first Chinese company to develop a steelmaking project in the country. The company signed a letter of intent with the Korean government concerning the construction of the plant. The steel complex was to be constructed in Kimchaek Industrial Park and would make use of iron ore deposits there. Further information is not known about this project.	MB 26-Oct-07
<u>Chongjin Works</u>									
	North Kankyo	2000							
			DR (SLRN) LD EF CC (slab) x 3 Plate						
<u>Hwanghai Iron Works</u>									
	Songnim	2500							
			BF x 3 OH EF BLM Hot STR Plate						

Economy: **OTHERS (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Kangson Works</u>	Kangson	960						
		(960)	(stainless steel)					
			EF x 8					
			LD					
<u>Kimchaek Works</u>	Kimchaek	(900)	BLM					
			Hot					
			WR					
		6000						
<u>Songjin Works</u>	Songjin		BF x 3					
			LD					
			BS					
			OH					
			EF					
			WR					
			Plate					
			Hot					
			Cold					
			SMLS					
			ERW					
			HGL					
<u>Songjin Works</u>	Songjin	100						
		(100)	EF					
			Plate					
			STR					
			SLM					

Economy: **OTHERS (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
SINGAPORE									
<u>Hwa Yew Iron Works Pte Ltd (HWACO)</u>	Mandai Estate		(stainless steel) ERW			P			
<u>NatSteel Holdings Pte Ltd</u>	Jurong	720				P		India's Tata Steel Ltd completed the acquisition of the steel business of NatSteel Ltd in February 2005. As part of the transaction, the company subscribed to 100% equity of NatSteel Asia Pte Ltd. All steel assets of NatSteel in Singapore, Malaysia, Thailand, Viet Nam, Philippines, Australia and China (except Changzhou Wujin Natsteel) have been transferred to NatSteel Asia. In 2008, as part of an internal restructuring exercise, the entire business of NatSteel Asia Pte Ltd was transferred to NatSteel Holdings Pte Ltd.	
		(720)	EF LF						
		(720)	CC (billet)						
		(720)	STR x 2						
SRI LANKA									
<u>Bhualka Steel Industries (Sri Lanka)</u>	Horakale, Yagampattu	25							
		(25)	EF						
		(25)	STR						
<u>Ceylon Heavy Industries & Construction (formerly Ceylon Steel)</u>	Oruwala, Athurugiriya					P			The company was privatised in 1997 when the government sold its interest to Korea's Hanjung (renamed Doosan Heavy Industries Construction).
		(100)	STR x 10						

Economy: **OTHERS (11)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>GTB Colombo Corp</u>		50						
		(50)	EF					
		(50)	STR					
<u>Hiat Steel</u>	Colombo	20						
		(20)	EF					
		(18)	STR					
		(20)	CC (billet)					
<u>Melbourne Metals (Pvt) Ltd</u>		60						
		(60)	IF					
		(36)	STR					
<u>Multisteel Industries (Pvt) Ltd</u>								
	Pahala Bomriya, Kaduwela							
		(60)	STR x 2					

COMMONWEALTH OF INDEPENDENT STATES (CIS)

Thousand tonnes per year

Economy	Nominal capacity						Crude steel production 2011	Apparent consumption 2011	
	Exist 2011	Increase to 2014		Capacity in 2014					
		Firm	Possible	Unlikely	Mean	Low	High		
KAZAKHSTAN	6 684	0	800	700	7 084	6 684	7 484	4 699	2 600
RUSSIAN FEDERATION	87 836	6 400	3 200	7 553	95 836	94 236	97 436	68 852	47 014
UKRAINE	45 376	1 940	0	25 700	47 316	47 316	47 316	35 332	7 516
OTHERS	6 300	0	0	0	6 300	6 300	6 300	3 780	5 602
TOTAL	146 196	8 340	4 000	33 953	156 536	154 536	158 536	112 663	62 732

Note : Apparent consumption is in terms of crude steel.

Sources : OECD (for capacity) and the World Steel Association (for production and consumption)

Economy: KAZAKHSTAN

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>ArcelorMittal Temirtau (formerly Ispat Karmet JSC.)</u>	Karaganda	5200		800 (Possible)		P	2013	Kazakh steelmaker ArcelorMittal Temirtau (AMT) had planned on rebuilding its blast furnace No. 3 to boost the plant's crude steel capacity to 6 million tpy by 2013. The company had also planned to modernise the gas purification system and install a new ventilation system for the casting house and hopper spaces. The USD 150 million project was expected to have been completed by the second quarter of 2013.	SBB 05-Oct-11 MB 04-Aug-11 MB 07-Aug-11 HP
		(4590)	BF x 4		BF				
		(5200)	LD x 3	(800)	LD				
		(5200)	CC (slab) x 2	(1200)	CC (billet)				
		(4600)	Hot						
		(2600)	Cold x 3						
		(375)	Tin plate x 3						
		(800)	HGL x 2						
		(80)	Ptg						
		(400)	STR						
		(60)	SAW						
<u>Caspian Stal Ltd</u>	Aktau	300			(Unlikely)			Steelmaker Caspian Stal plans to increase its billet and rebar production capacity to meet western Kazakhstan's growing demand for long products. The Kazakhstan-based longs producer wants to reach billet capacity of 150,000 tpy, up by 50% from its current capacity of 100,000 tpy, while rebar rolling capacity will double to 100,000 tpy from 50,000 tpy. The mill is now examining plans to achieve the increase, one of which would involve replacing the two existing electric arc furnaces with a single larger one.	MB 30-Sep-11
		(300)	EF x 2	(50)	Steelmkg				
		(100)	CC (billet)	(50)	BTM				
		(50)	STR	(50)	STR				
<u>Casting Ltd</u>	Pavlodar	300						Casting Ltd, which is based at Pavlodar in the north-east of Kazakhstan, is a 300,000 tpy steelworks based around a 25-tonne electric arc furnace and a three-strand continuous caster, which feeds a medium section mill, rebar mill and ball rolling mill. The mill has been operating since 2003.	MB 18-Aug-08
		(300)	EF						
			CC (billet)						
			STR						

Economy: **KAZAKHSTAN (2)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Eurasian Natural Resources Corp (ENRC)</u>	New DRI plant project			(1800)	DR	(Unlikely)	2014	Eurasian Natural Resources Corp (ENRC) plans to build a hot briquetted iron (HBI) plant at its iron ore mining division, Sokolov-Sarbai (SSGPO), in the Kostanay region of northern Kazakhstan. The plant is expected to be commissioned in 2014 and should produce up to 1.8m tpy of HBI, which will be sold internationally on the open market. Its construction will cost a provisional USD 650m. The project emerged in the first half of 2008 but was suspended amid the global economic crisis.	SBB 25-Aug-10 SO 30-Mar-10
Sokolov-Sarbai Mining Production Association (SSGPO)		(41) (8) (26)	STR WR Rolling						
<u>Evraz Caspian Stal (Evraz and Caspian JV)</u>	Kostanay			(450)	STR	(Firm)	2012	The construction of a new rolling mill producing light sections in North Kazakhstan's Kostanay region was built in July 2010. The mill, with an annual capacity of up to 450,000 tpy of long steel products, was due to begin production in 2012. The mill is run by Evraz Caspian Stal, the joint venture between Russia's Evraz and Kazakhstan's Caspian Group. The parties were previously in talks over finance with the Eurasian Development Bank, which was expected to lend up to 80% of the USD 125.5m cost of the project. The new mill produces long products used in construction both domestically and for export. Billet for re-rolling comes from one of Evraz's mills in Russia.	SBB 26-Apr-10 SBB 03-Oct-10 SBB 14-Oct-11

Economy: **KAZAKHSTAN (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>KazFerroSteel</u>	Aksu	84			(Unlikely) BTM (50) STR	2013	Kazakh billet producer and exporter KazFerroSteel has embarked on a project to construct a new 0.5m tpy steel plant in the town of Aksu in the Pavlodar region. When it is commissioned at the end of 2013 or beginning of 2014, the new Aksu Electrometallurgical Plant will only be casting billet, which will be exported, most probably to Iran. Upon the planned addition of a rolling mill in 2016, the company is likely to direct sales of the resulting long finished products to the domestic market.	SBB 25-Feb-11
	Almaty	(84) (100)	EF CC (billet) STR					
<u>KSP Steel</u>	New rail plant			(700)	(Unlikely)	2013-14	Kazakhstan-based KSP Steel has outlined plans to build a plant to supply rails to the Russian, Chinese and Kazakh markets, according to national export and investment agency Kaznex Invest. The plant will have a 700,000 tpy casting and rolling capacity and will come on stream between 2013 and 2014.	MB 10-May-11
	Pavlodar	800 (800)		(450)	(Possible) STR	2009	KSP Steel commissioned a steel-smelting workshop, a pipe rolling mill and finishing lines in December 2007. In 2009, KSP Steel started up a new rolling mill with an annual capacity of 450,000 tpy of reinforced bars and steel rods with diameters of 10-32 mm and 5.5-12 mm, respectively.	HP
		(270)	EF x 2 LF x 2 CC (billet) x 2 SMLS					

Economy: **KAZAKHSTAN (4)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>SBS Group</u>	New steel mill project in Aktyubinsk area			(500)	DR	2013	With initial annual production of 500,000 tpy of 99% Fe nuggets, the new mill is designed eventually to accommodate three furnaces for a total capacity of 1.5m tpy. Works began in July 2010 and were to finish in 2013. The project costs around USD 500m. Raw material feed for the plant will come from ENRC's Kazakh Sokolov-Sarbai iron ore plant. SBS Steel contemplates starting its own iron ore extraction in several years time. It is also considering the construction of a steelworks and rolling mill. SBS Steel intends to sell nuggets to Shanghai-based Baosteel as well as to local steelworks.	SBB 26-Oct-09 MB 18-Aug-08

RUSSIAN FEDERATION

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Abinsk Electric Steel Works Ltd</u>	Krasnodar	(500)	STR		1300 (Possible) (1300) EF		2014	Abinsk Electrometallurgical Plant, the 500,000 tpy rebar rolling mill which started up in Russia's Krasnodar territory in July 2010, planned on building its own steelmaking shop with a commissioning date scheduled for mid 2014. According to the initial design, the melting shop, if installed, will be able to produce 1.3m tpy of crude steel. Abinsk considered ordering an electric arc furnace from an unspecified Turkish firm at the time the meltshop project was at the design stage.	SBB 08-Sep-11
<u>Agrisovgaz Ltd</u>	Maloyaroslavets, Kaluga	(60)	ERW						
<u>Alapayevsk Iron & Steel Works</u>	Sverdlovsk, Oblast	(36)	BF			P			
<u>Almetyevsk Pipe Plant (OMK Group)</u>	Tatarstan	(300)	ERW			P			

Economy: **RUSSIAN FEDERATION (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Amurmetal</u>	Khabarovsk	2100				S		Amurmetal is currently working under the management of Russian bank Vneshekonombank, which became its majority shareholder after the mill defaulted on its credit obligations following the global economic crisis. It had just completed a massive expansion programme in 2008, when the crisis struck.	SBB 18-Feb-11
		(2100)	EF x 2 LF						
		(1200)	CC (billet)						
		(600)	CC (slab)						
		(600)	Plate						
		(600)	STR						
		(7)	WR						
<u>Ashinsky Steel Works (Asha)</u>						P			
	Asha, Chelyabinsk	1000	(special steel)		(Firm)		2014	Russian plate producer Ashinsky Steel Works (Asha) awarded contracts to Ukraine's Novokramatorsk Machine Building Plant to supply a new 0.8-1.0m tpy 2,800mm wide plate mill for its No.1 rolling shop. The new mill is due to be commissioned in July 2014. When fully operational, it will replace a 60 year old 0.6m tpy 2,850mm wide mill, increasing rolling capacity by 200,000-400,000 tpy.	SBB 16-Nov-11
		(1000)	EF		(200)				SBB 13-Sep-11
		(1200)	CC (slab)		Plate				SBB 04-Aug-10
			Cold						
			Hot						
			LF						
		(600)	Plate						

RUSSIAN FEDERATION (3)

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>AV-Stal</u>	Novgorod			(143) (143) (143)	(143) (143) EF STR		2013	The Russian company TESO Engineering, specialized in the modernization and construction of steel producing facilities, had planned to build a new rebar producing mini-mill in Russia's Novgorod region. The new electrometallurgical plant, to be called AV-Stal, will have an annual production capacity of 143,000 mt of long steel products for the construction sector, and will use scrap as raw material. The main investors in the project, estimated at RUB 1.63 billion, will be Switzerland-based Teso Steel Holding and Panama-based Metal Assets. The construction of the new plant was to be started in the second half of 2010, and completion was scheduled for 2013.	SO 31-Mar-10
	Surovikino, Volgograd			150 (150) (150)	(Possible) EF STR		2013	Construction of AV-Stal's micro-mill in Surovikino was scheduled to start in spring 2011. It will be able to produce 150,000 tpy of 8-32mm diameter rebar and rounds, and will comprise a 21-tonne electric arc furnace, a ladle furnace, a one-strand billet caster and a rolling mill.	SBB 16-Dec-09 SBB 17-Jan-11 SBB 29-Sep-09

Beloretsk Metallurgical Plant (Mechel Group)

Beloretsk, Bashkortostan

P

(560) WR

Economy: **RUSSIAN FEDERATION (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Chelyabinsk Metallurgical Plant (Mechel Group)</u>								
	Chelyabinsk	5100	(stainless steel)	950 (Possible)		P	2013 Mechel restarted converter number two at its Chelyabinsk iron and steelworks' after its rebuild. The converter's overhaul marks the beginning of the full reconstruction of ChMK's only oxygen converter shop, which houses three converters in total and two continuous billet casters. The reconstruction includes an overhaul of the two remaining converters with auxiliary equipment and represents an investment of RUB 5.1bn. It was due to be completed by 2013. Once realised it will take annual steel output to 4.55 million tpy, up from 3.6m tpy.	SBB 25-Aug-11
		(3800)	BF x 3	(950)	LD			
		(3600)	LD x 3					
		(1500)	EF x 3					
			AOD					
			CC (billet) x 4					
			BLM					
			STR x 5					
			WR					
			Hot					
			Cold (stn)					
<u>Chelyabinsk Tube Rolling Plant (ChTPZ Group)</u>								
	Chelyabinsk	430					Chelipe planned to phase out its two remaining open hearth furnaces (OHFs) at its Chelyabinsk Pipe Works (ChTPZ) in 2012.	SBB 27-Jan-12
		(430)	OH					
		(480)	SMLS					
		(2414)	SAW					
<u>Chusovoy Metallurgical Works (OMK Group)</u>								
	Perm region	650		(400) (Unlikely)		P	Chusovoy Steel Works (ChMZ) was previously exploring options to fund a long-waited modernisation of the works' steelmaking and rolling facilities. ChMZ is likely to prioritise the installation of 0.9m tpy capacity electric arc furnace, which would allow it to replace its two existing open hearth furnaces without losing any crude steel capacity. ChMZ had initially planned to modernise its steel production in 2010, but withdrew a financing request midway through an application from Vnesheconombank.	SBB 17-Jan-12 SBB 15-Mar-10 HP
		(150)	BF	(900)	EF			
		(500)	LD x 3					
		(600)	OH x 2					
		(562)	BTM					
			STR x 3					

Economy: **RUSSIAN FEDERATION (5)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Electrostal Metallurgical Plant</u>	Moscow	314	(stainless steel) EF IF STR x 2 Rolling x 2 Plate Cold					
<u>Evrax Greenfield project</u>	Yuzhniy				(Firm) (450) STR	2013	The Yuzhny Mill is located in the Rostov Region near the port Ust-Donetsk. It was expected to be commissioned in the middle of 2013 and will have a production capacity of approximately 450,000 tonnes of light sections per annum, including 315,000 tonnes of rebar and 135,000 tonnes of angles and channels. The total cost of the project is estimated to be approximately USD158 million.	SBB 20-Jul-11 HP NET
<u>EVRAZ-Consolidated West Siberian Metallurgical Combine (Evrax Group)</u>	Novokuznetsk (Kuzbas) (formerly ZapSib)	8080	BF x 3 (8000) LD x 5 (80) EF LF CC (billet) CC (slab) (6500) BLM (4700) STR x 3 (1000) WR			P	Russian steelmaking group Evraz has announced plans to consolidate the administration of its two Siberian mills, West Siberian Iron & Steel (Zapsib) and Novokuznetsk Iron & Steel (NKMK), into one new company. The consolidated company will be called Evraz – Consolidated West Siberian Metallurgical Combine.	HP

Economy: **RUSSIAN FEDERATION (6)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Novokuznetsk, Kemerovo (formerly NKMK)		1500			(Firm)	2012	The second stage of modernisation of NKMK's rail production involved replacing the existing rolling mill with a new universal mill for rails and sections. The new mill will be set up to produce 950,000 tpy of rails, including 400,000 tpy of 100-metre-long rails, as well as other long products. It was expected to be commissioned in late 2012.	HP	
		(2200)	BF x 2		STR			SBB 01-Nov-10	
		(1500)	EF x 2						
			LF						
		(1450)	CC (billet) x 2						
		(500)	Plate						
		(1480)	STR x 2						
Guryevsk Steel Works (Estar Holding)		(157)	Rolling x 2						
	Guryevsk, Kuznetsk	200				P			
		(200)	OH x 2						
Industrial Union of Donbass		(320)	STR						
		(200)	Rolling x 5						
				(1500)	(Unlikely)	2016	The Ukrainian steel producer Industrial Union of Donbass (IUD) had delayed the restart of construction of its new steel rolling plant in Armavir, located in Krasnodar, Russia, while the commissioning of the plant was postponed until 2016. However, design work for the new plant will not be halted. In May 2009, IUD temporarily froze the construction of its plant in Armavir stating that it was looking to secure funds from European banks in order to continue the project. IUD started the construction of its new steel rolling plant in Armavir in September 2006 and was planning to invest about USD 200 million to USD 250 million in the project. The plant will include a steel melting shop of 1.5 million tonnes annual capacity, a bar and section mill of 600,000 tonnes to 700,000 tonnes annual capacity and a wire rod mill with an annual capacity of 400,000 tonnes to 500,000 tonne.	MB 12-May-09 SBB 12-Feb-09	
				(1500)	EF				
				(700)	STR				
			(500)	WR					

Economy: **RUSSIAN FEDERATION (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Izhstal (Mechel Group)</u>	Izhevsk, Udmurt	700	(stainless steel) EF x 5 OH x 3 CC (billet) x 2 BLM STR x 3 WR			P		
<u>Kamastal</u>	Perm	300						
<u>Kosaya Gora Iron Works</u>	Tula	(300)	EF Plate STR					
		(600)	BF x 3					

Economy: **RUSSIAN FEDERATION (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Lysva Metallurgical Works</u>	Perm	(150)	EGL x 3						
<u>Magnitogorsk Iron and Steel Works (MMK)</u>	Magnitogorsk	15100			(Firm)	P	2012	Russia's Magnitogorsk Iron & Steel Works (MMK) recently commissioned its new 2,000mm wide cold rolling mill and coupled continuous pickling line. The mill forms the core of the USD 1.5bn cold rolling complex under construction in the steelworks' No 11 flat rolling shop. The complex, supplied by SMS Siemag of Germany, will also include a 450,000 tpy continuous hot-dip galvanising line, a 650,000 tpy combined continuous annealing and galvanising line and a coil inspection line.	SBB 18-Jul-11
		(10000)	BF x 8		(450)	HGL			
		(10300)	LD x 3						
		(4000)	EF x 2						
		(800)	OH						
			LF x 2						
			CC (slab) x 5						
			CC (billet) x 2						
		(2035)	STR x 3						
		(2290)	Plate x 3						
		(10000)	Hot x 2						
		(5375)	Cold x 6						
		(297)	Tin plate x 2						
		(1094)	HGL x 3						
		(385)	Ptg x 2						
		(113)	ERW x 3						
<u>Magnitogorsky Metizno-Kalibrovchny Zavod MMK-METIZ (MMK_group)</u>	Magnitogorsk, Chelyabinsk	(970)	Cold WR						

RUSSIAN FEDERATION (10)

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Maxi-Invest</u>	Kovrov plant			1200 (Firm) (1200) EF (1000) STR		P	2013	Russia's Maxi-Invest began construction of a long mill in central Russia several years ago and planned to commission it by December 2013. The Kovrov plant will have a nameplate capacity of 1.2m tpy for crude steel and 1m tpy for long rolled steel products. Some 90% of its saleable output will be 8-40mm rebar with the balance comprised of angles and channels. Fuchs supplied its 120t EAF, while Danieli supplied a six-strand continuous billet caster and a 320mm light sections mill.	SBB 12-Aug-11 MB 27-Jan-10 SBB 27-Jan-10
	Tatstal			1200 (Firm) (1200) EF (1000) CC (1000) STR			2014	Russia's Maxi-Invest began construction of Tatstal, the long products mill in Tatarstan, Russia's Volga federal district, and plans to gradually commission it in 2014. The electric arc furnace meltshop will start in spring that year and rolling operations will launch in the fourth quarter. The works will have a capacity of 1.2m tpy for crude steel and 1m tpy for rolled products. Tatstal may be extended into pipemaking and equipped with a 200,000-250,000 tpy seamless pipe mill once its main production is developed. Its 120t EAF, ordered from Fuchs, will come with a scrap preheating system which should allow a 20% electricity saving.	SBB 09-Sep-11 SBB 07-Apr-11 MB 27-Jan-10 SBB 27-Jan-10

Minyar Steel & Wire Production Works

Chelyabinsk, Urals

STR
WR

Economy: **RUSSIAN FEDERATION (11)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Moscow Tube Works (Fiit)</u>	Moscow		(stainless steel) (96) ERW x 4 (120) ERW					
<u>Nizhegorodsky Metal Processing Plant (formerly Gorkovsky Metallurgical Plant)</u>	Nizhny Novgorod	50	(special steel) (50) EF x 2 STR Hot					
<u>Nizhny Tagil Iron & Steel - NTMK (Evraz Group)</u>	Nizhny Tagil, Sverdlovsk	4500		(3000) (Unlikely)		P	Nizhny Tagil Iron and Steel (NTMK) is considering expanding its crude steel capacity further still, by building a second converter shop. This would make up for the loss of 2m tpy of capacity following the closure of its open hearth furnace shop in 2009. The second converter shop could allow NTMK to raise its steelmaking capacity to 7.5m tpy. NTMK has already submitted a design proposal for appraisal by Evraz's investment committee.	SBB 21-Jul-11 SBB 29-Oct-10 MB 19-Feb-10 SO 24-Dec-09 NET
<u>NLMK-Sort (NLMK-Long Products) (NLMK group)</u>	Berezhovsky plant		BF x 6 LD (4800) LF x 4 (4500) CC x 4 (3900) STR x 3 (436) Rolling x 4		BF LD CC x 3			
		(2000)	WR			P		

Economy: **RUSSIAN FEDERATION (12)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
New mini-mill project in Kaluga		1550	(Firm)	2012	Novolipetsk Steel (NLMK) has started assembling the main equipment for the electric arc furnace (EAF) meltshop that will form part of the long products mini-mill it is constructing in the Kaluga region in European Russia. The mini-mill was planned to be commissioned in H1 2012, and will have a capacity of 1.5m tpy of crude steel and 0.9-1.5m tpy of rolled products.	SBB 04-Jan-11		
		(1550)	EF LF CC (billet) STR			SBB 07-Apr-10		
Nizhnie Sergi plant		2100	(Firm)	2012	Novolipetsk Steel's long products producer Nizhnie Sergi (NSMMZ) had been investing RUB 1bn on upgrades. The upgraded mill is capable of producing 2.3m tpy of crude steel and 2m tpy of rolled products upon full completion of the works. The works include the construction of a new 800,000 tpy vacuum degasser, upgrading of the No.2 continuous billet caster and reconstruction of the gas purifying equipment. The range of products is also expanded, with all of the special grade steel to be treated in the degasser. NLMK increased its direct stake in the ex-Maxi-Group's Nizhnie Sergi steelworks to 57% a few years ago in order to better manage this asset more effectively.	SBB 09-Sep-09 SO 08-Sep-09		
		(2100)	EF x 3 CC x 2 BTM STR WR	(200)	EF STR			
Ural Precision Alloys Works (UZPS)		5						
		(5)	IF					
		(3)	Hot					
		(3)	Cold					
			Rolling					

Economy: **RUSSIAN FEDERATION (13)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Novolipetsk Steel (NLMK)</u>	Lipetsk	12530			(Firm)	P	2012	Russia's NLMK has completed modernisation of its No.3 continuous slab caster, which is now capable of producing 1m tpy of slab up to 315mm thick, a 300,000 tpy output increase and a considerable improvement in quality and range. The project forms part of the second stage of NLMK's investment programme aimed at increasing steel production in Lipetsk. Out of existing nine casters, No.3 is the sixth that has been revamped within the programme.	SBB 12-Jan-12 HP
		(12960)	BF x 6	(300)	CC (slab)				
		(12530)	LD x 6						
			CC x 9						
		(5380)	Hot						
		(2900)	Cold x 3						
		(808)	Silicon						
		(1200)	HGL x 4						
		(395)	Ptg						
<u>Novorometall</u>	Novorossiysk	500							
		(500)	EF						
		(500)	CC (billet)						
		(500)	STR						
<u>Novosibirsk Metallurgical Works named after Kuzmin (Estar Holding)</u>	Novosibirsk				(300) (Unlikely)	P	2012	Russia's Kuzmin Novosibirsk Metallurgical Plant was reported to have been investing in a new electric welding mill for small-diameter pipes. The new mill will have a capacity of 60,000 tpy of pipe, and is designed to make both round utilities pipes and shaped tubes. The new mill will be the sixth electric welding mill at the Kuzmin plant. The new mill was scheduled to be commissioned in February 2012. It may also revive plans to produce its own crude steel, by building a 300,000-350,000 tpy scrap-based meltshop. This would enable it to develop production of rebar, angles, channels and round bar, as well as slab.	SBB 06-Apr-11 SBB 04-Jan-11
			Hot		EF				
			Cold		CC (slab)				
			ERW x 5	(60)	ERW				
					STR				

Economy: **RUSSIAN FEDERATION (14)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Omutninsk Metallurgical Plant</u>						P		
	Omutninsk, Kirov	209					Omutninsk Metallurgical Plant is undertaking reconstruction of its four rolling mills, which will boost its production capacity by 47.1%. Omutninsk does not plan to add any new steelmaking equipment over the next year or two years, such as an electric arc-furnace.	MB 17-Nov-11
		(209)	OH x 2 LF					
		(166)	CC (billet) BTM					
		(186)	STR x 4					
<u>OMZ - Special Steel (Izhorskiye Zavody)</u>								
	Kolpino, St. Petersburg	660						
		(660)	(special steel) EF x 3 Plate					
		(80)	SMLS Rolling					
<u>Oskol Elektrometallurgical Plant (OEMK) (Metalloinvest Group)</u>						P		
	Stary Oskol, Belgorod	3600			(Unlikely)		Metalloinvest plans to modernise the No1 direct reduced iron unit at its Oskol Steel Plant (OEMK) in the Belgorod region, and add a vacuum degasser and reconstruct the No 6 coke battery at its Ural Steel plant. This is in addition to previously announced projects, including adding a third 1.8m tpy hot briquetted iron unit at the company's Lebedinsky iron ore mining and beneficiation plant (LebGOK), and raising OEMK's capacity for semi-finished and finished products to 3.85m tpy from 3.2m tpy.	SBB 15-Jun-11 SBB 28-Feb-11 MB 28-Feb-11
		(2200)	DR (MIDREX) x 4	(1800)	DR			
		(3600)	EF x 4 LF x 3 CC (billet) CC (bloom) x 4	(650)	Rolling			
		(3400)	STR x 2					

Economy: **RUSSIAN FEDERATION (15)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Pervouralsky Novotrubny Works (ChTPZ Group)</u>								
	Pervouralsk, Sverdlovsk	950	(stainless steel)					
		(950)	EF					
		(715)	SMLS x 3					
			ERW x 9					
			LF					
			CC (billet)					
			CC (bloom)					
<u>Petrostal</u>								
	Kirov Works	300			(Unlikely)		Russian merchant bar producer Petrostal plans to resume its project to install an electric arc furnace to replace its open-hearth furnaces once production on its rolling mill 350 achieves its pre-crisis levels of 22,000 tpm. Petrostal was ready to start building the hot end in late 2008 in the Leningrad region, outside of St. Petersburg. But the plan was halted as the financial crisis began. Capital investment into the project would have been about USD 50 million.	MB 12-Nov-09
	(St. Petersburg)	(300)	OH x 4		EF			
			LF		CC			
			BLM					
			STR					
<u>Petrovsk-Zabaikalsky Metallurgical Plant</u>								
	Chita	300						
		(300)	OH x 3					
			STR x 2					

Economy: **RUSSIAN FEDERATION (16)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Rostov Electrometallurgical Works (Estar Holding)</u>								
	Rostov	750						
		(750)	EF LF					
		(750)	CC (billet)					
		(330)	STR					
		(220)	WR					
<u>Ruspolymet</u>								
Kulebaky Electro-Metallurgical Plant		60			350 (Firm)	2013	Ruspolymet has already started to prepare the area where it will construct a long products micro-mill as its existing site in Kulebaki in the Nizhny Novgorod region. The micro-mill, designed to produce 350,000 tpy of 8-40mm diameter rebar, was scheduled to be commissioned in the second quarter of 2013. The RUB 3bn plant will be equipped with a 40-tonne electric arc furnace, a ladle furnace and a one-strand continuous billet caster, all supplied by Danieli of Italy.	SBB 16-Jan-12 SBB 04-Mar-11
		(60)	OH		(350)			
		(100)	STR		LF			
					CC (billet)			
					STR			
<u>Salda Steel Works</u>								
Nizhnaya Salda, Sverdlovsk		7						
		(7)	EF					
		(472)	STR x 3					
		(350)	SMLS					
<u>Sankt-Peterburgsky Staleprokatny Zavod (St Petersburg Steel Rolling Mill)</u>								
	St Petersburg							
			(special steel)					
		(40)	WR					
		(8)	Cold					

Economy: **RUSSIAN FEDERATION (17)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Satka Metallurgical Plant</u>	Satka, Chelyabinsk	(300)	BF x 2						
<u>Serp i Molot Metallurgical Works</u>	Moscow	70	(stainless steel) EF x 5 CC (billet) STR x 2 WR Cold						
<u>Seversky Tube Works (TMK Group)</u>	Polevskoi, Sverdlovsk	1000			(Firm)	P		2013 2013 should also have seen the completion of another project delayed by the crisis at TMK's Seversky Pipe Plant (STZ). The company has already ordered equipment from Italy's Danieli to construct a Fine Quality Mill (FQM) for seamless pipe at STZ. The rolling mill, with a capacity of 600,000 tpy, will be similar to the Premium Quality Finishing (PQF) mill that TMK commissioned at Tagmet.	SBB 31-Aug-10
		(1000)	EF LF	(600)	SMLS				
		(950)	CC (billet)						
		(340)	SMLS						
		(840)	ERW						

Economy: **RUSSIAN FEDERATION (18)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Severstal</u>									
Cherepovets, Vologodskaya		11600				P			
		(10000)	BF x 5						
		(9500)	LD x 3						
		(2100)	EF x 2						
		(9000)	CC (slab) x 5						
		(1000)	CC (billet)						
			BTM						
		(1750)	STR x 2						
		(600)	WR						
		(500)	Plate						
		(8000)	Hot x 2						
		(2500)	Cold x 2						
		(600)	HGL x 2						
		(400)	Ptg x 2						
			ERW x 6						
					(Possible)				
		(500)	Plate		(280)				
		(500)	SAW						
	Kolpino, St. Petersburg								SBB 27-Jun-11
							2013	Russian miner and steelmaker Severstal had been planning to invest just over RUB 1bn in its Izhora large-diameter pipe plant between 2011 and 2013. The decision to upgrade Izhora complements an expansion of Severstal's 5,000mm wide plate mill, which feeds Izhora with plate for pipemaking. The plate mill is situated next to Izhora in Kolpino near St Petersburg. The project will see mill motors replaced with more powerful units that will take the mill's capacity to 780,000 tpy. The work is costing RUB 2.3bn and was scheduled to have been completed in 2013.	

Economy: **RUSSIAN FEDERATION (19)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Mini-mill project in Saratov			1000 (Firm)		2013	Severstal has invested RUB 10.7 billion in a new long products mini-mill at Balakovo in Russia. It was scheduled for commissioning in the second quarter of 2013 and will have the capacity to produce more than 1 million tpy of long products. Total investment in the mini-mill in the Saratov region will be about USD 600 million.	MB 23-Nov-11 SBB 18-Feb-10 MB 17-Feb-10	
	Severgal (Cherepovets)	(400)	HGL		EF LF CC (billet) STR		<p>ArcelorMittal sold its 25% stake in Severgal – its hot-dip galvanising joint venture with Severstal – to the Russian producer in 2007. The Cherepovets-based 400,000 tpy galvanising line was set up in December 2005 to serve CIS automotive markets.</p> <p>Severstal launched its 250,000 tpy capacity new pipe-section mill Severstal TPZ Sheksna, located in the Sheksna industrial zone of Russia's Vologda region.</p>	SBB 28-May-07	
	Severstal TPZ Sheksna	(250)	ERW						HP
<u>Severstal-metiz</u>	Cherepovets, Orel & Volgograd Plant					P		Severstal-metiz is an international company manufacturing steel wire and wire products, with production facilities in Russia, Ukraine, the UK and Italy. In 2007, the Severstal-metiz group of companies sold nearly 1 million tonnes of steel products. The Cherepovets Plant focuses on cold drawn steel, steel shapes and high carbon products (wire, wire ropes, etc); the Orel Plant on fasteners; the Volgograd Plant, as well as Carrington Wire in the UK and Redaelli Tecna in Italy, on high carbon products; Dneprometiz in Ukraine specializes in producing low carbon products.	HP
<u>Shchelkovo Metallurgical Works (OMK Group)</u>	Shchelkovo, Moscow	(40)	Cold x 2			P			

Economy: **RUSSIAN FEDERATION (20)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Sinarsky Pipe Plant (TMK Group)</u> Kamensk-Uralsky, Sverdlovsk		(600)	SMLS x 3			P			
<u>Stavropol Steel (StavStal)</u> Nevinnomyssk, Stavropol				500 (Possible) (500) EF (350) STR WR			2012-13	The new rolling mill will have a capacity of 350,000 tpy of 8-32mm diameter rebar, but will also be suitable for making wire rod. Once it is fully operational and the output is selling well, StavStal envisages adding a 500,000 tpy electric arc furnace to enable it to make its own billet for rolling and sell surplus. Further into the future, it may also add rolling capacity for angles and T-sections. StavStal has ordered the rolling mill and an EAF from Turkish equipment manufacturers Ermaksan Machinery and CVS respectively.	SBB 24-Jun-11 SBB 22-Sep-10

Economy: **RUSSIAN FEDERATION (21)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Sulinsky Metal Works (Staks)</u>	Krasny Sulin, Rostov	1100				P	Southern Russia's long-idle Sulin Steel Works, known as STAKS, was reported to have been awaiting reconstruction the following project approval from the state. However, STAKS' 1m tpy capacity for billet may remain unchanged as the reconstruction is likely to be limited to modernising existing equipment. STAKS, in Krasny Sulin, Rostov region, was suspended in 2009, and in April 2011 its former director general was found guilty by a local court of the steelworks' "deliberate bankruptcy". Russia's state bank Sberbank was said to be the major financier of the plant's reconstruction. In 2010 the bank, through a subsidiary, acquired a 75-77% share in Rusvtormet Tsentr from MAIR industrial group, and thus Rusvtormet's steel assets STAKS and Georgievsk Arzil rebar mill in Stavropol region fell under Sberbank's control.	SBB 03-Jan-12
<u>Taganrog Metallurgical Works - Tagmet (TMK Group.)</u>	Taganrog, Rostov-on-Don	600	(stainless steel)		350 (Firm)	P	2013 Russian pipemaker Taganrog Steel Plant (Tagmet), part of the TMK group, plans to commission its first electric arc furnace in 2013 and subsequently start phasing out its three open hearth furnaces. The project had been put on hold because of the global economic crisis. The EAF, supplied by Germany's SMS Siemag, will have a capacity of 0.9m-1m tpy of crude steel.	SBB 31-Aug-10 SBB 01-Oct-10
		(1100)	EF					
		(1100)	CC (billet)		(950) EF			
			LF					
			STR					
			WR					

Economy: **RUSSIAN FEDERATION (22)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>TESO Engineering</u>	Khakasia			(150)	(150) (Unlikely)			TESO Engineering had been planning to build an electric arc furnace-based rebar plant in the Russian republic of Khakasia in southern Siberia. The mini-mill will be designed to produce 150,000 tpy of 8–32mm diameter rebar, as well as wire rod, mesh and wire products, mainly for the local construction sector. TESO Engineering is set to invest EUR 50m in the construction of the mini-mill, which, once the project is approved and necessary permits are obtained, will take up to two years to complete. The major equipment is expected to be supplied by Italian plant makers Sider Engineering and SIAD Macchine Impianti.	SBB 06-Oct-10
<u>Trubostal Tube Works</u>	St Petersburg								
<u>Tulachermet (Industrial Metallurgical Holding)</u>	Novotuliskaya, Tula	(259)	ERW x 2						
<u>United Metallurgical Co (OMK)</u>	Casting and Rolling Complex (Vyksa)	(1500)	BF x 3		(1500) (Unlikely)				
		1500							
		(1500)	EF		(1500) EF				
		(1500)	LF						
		(1500)	CC (tsc)						

Economy: **RUSSIAN FEDERATION (23)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Mill 5000 project (Vyksa)			(1500)	(Firm) Plate	2011-12	2011-12	Russia's United Metallurgical Co (OMK) is nearing the end of the assembling phase of the new 5 metre wide plate mill, which is being constructed at its Vyksa steelworks. Originally due to be completed in February 2011, construction of the mill took longer than originally planned. Whilst the overall cost was originally penned in at USD 2bn, it was subsequently scaled down to USD 1.6bn, or RUB 45billion.	SBB 15-Feb-10 SBB 13-Jul-11
<u>Unitrade-Contract</u>	Tsimlyansky			(200)	(Unlikely)			Investment in the project is estimated at RUB 2.4bn. Currently at the design stage, Tsimlyansky should be equipped with induction furnaces, a continuous caster and a rolling mill, enabling it to produce 200,000 tpy of reinforcing steel. Its owner, Unitrade-Contract, intends to sell the output locally.	SBB 17-Jan-11
<u>Ural Mining and Metallurgical Co (UMMC/UGMK)</u>	Serov Steel Works	750			(Unlikely)	P	2015	Russia's Ural Mining and Metals (UGMK) was reported to have been upgrading the sintering and blast furnace based shop at its Serov Iron & Steel Plant in the Sverdlovsk region, in the Urals. The company aims to reconstruct its third blast furnace, increasing its pig iron capacity to 0.5 million tpy. It will also install a modern gas-cleaning unit at the sintering plant. The completion date for both projects is 2015. The total investment is estimated at RUB 3bn. Serov currently employs two blast furnaces with a combined capacity of 350,000 tpy.	SBB 14-Feb-12
		(350)	BF x 2	(150)	BF				
		(750)	EF						
		(750)	LF x 2						
			STR x 3						

Economy: **RUSSIAN FEDERATION (24)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Tyumen mini-mill project			550 (Firm)	550 (Firm) (special steel)	2013	2013	Russia's Urals Mining & Metallurgical Co (UGMK) was expected to have commissioned its special steel mini-mill in the Tyumen region in the Urals in 2013. The electric arc furnace-based mill is designed to produce 550,000 tpy of bars and light sections in low-carbon, special and alloy steels. UGMK announced the plan to build the mill in late 2005 aiming to start up by the end of 2008, but the project was put on hold during the economic recession. The company resumed construction of the mill in the beginning of 2011. The project is financed partly by UGMK and partly by the regional government. The latter was reported to have committed to allocate RUB 608 million in 2012 to finance the construction of an electricity sub-station to supply the plant.	SBB 11-Jul-11 SBB 20-Apr-09 HP
Ural Steel (Metalloinvest Group)	Novotroitsk, Orenburg	5400	(3400) BF x 4 (3200) OH x 7 (2200) EF x 2 LF CC (billet) CC (bloom) CC (slab) (4000) BLM (2250) STR (1300) Plate	(Unlikely)	(600) LD SAW	P		Several years ago, miner and steelmaker Metalloinvest completed the reconstruction of the electric arc furnace shop and the 2,800mm plate mill at its Ural Steel mill in the southern Ural Orenburg region of Russia. As a result of the upgrades, production of crude steel was able to double, to 2m tpy. Ural Steel also planned to replace open-hearth production with new basic oxygen converters and construct a new 600,000 tpy mill producing pipes in the range of 508-1,420mm.	SBB 21-Nov-08

Economy: **RUSSIAN FEDERATION (25)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>VIZ-Stal (NLMK Group)</u>	Yekaterinburg	(200)	Silicon			P		VIZ-Stal can produce 200,000 tpy of grain-oriented and non-grain-oriented steel in coils or sheet in 0.23-5mm thicknesses, using hot rolled coil supplied by NLMK. About 80% of the plant's material is exported, with the majority going to Asia.	MB 27-Apr-11
<u>Volga Electrometallurgical Plant (VEMZ)</u>	Ivanovo			300 (Possible)			2011-12	A new 300,000 tpy EAF and rebar plant is expected to have been built in the Ivanovo region to the north-east of Moscow. In its first phase, the Volga Electrometallurgical Plant (VEMZ) should produce 65,000 tpy of rebar. The cost of the plant is RUB 1 billion.	SBB 06-May-10 NET
<u>Volga-FEST (Estar Holding)</u>	Frolovo, Volgograd	320		(160) (Unlikely)		P	2011	In 2007, Estar Holding planned to expand its Frolovo steel plant, known as Volga-Fest. In a first phase of development, Estar planned to raise the output of Volga-Fest's electric arc furnace (EAF) to 320,000 tpy. The upgraded EAF would have a design capacity of 480,000 tpy. Thus, in a second phase of modernisation, Estar intended to install a new billet caster at Volga-Fest, with a matching capacity of 480,000 tpy of saleable billet. Estar anticipated that Volga-Fest's billet plant would be fully revamped by 2011. However, Estar filed for bankruptcy with the Moscow arbitration court in November 2009.	MB 18-Feb-10 SBB 17-Dec-07 HP
<u>Volgograd Small-Diameter Pipes Plant (Estar Holding)</u>	Volgograd			(160) EF CC (billet)	EF CC (billet)				
		(195)	ERW			P			

Economy: **RUSSIAN FEDERATION (26)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Volgograd Steel Works (Red October)</u>						P		
	Volgograd	900						
		(900)	EF x 4 LF					
		(1000)	CC (billet) x 2					
		(1100)	BLM Plate STR x 4					
<u>Volzhsky Pipe Plant (TMK Group)</u>						P		
	Volzhsky, Volgograd	960						
		(960)	EF LF					
		(1140)	CC (billet) SAW					
		(700)	SMLS					
<u>Vyksa Steel Works (OMK Group)</u>						P		
	Vyksa, Volga	930			(Firm)	2013	Russian steel pipe and railway wheel producer Vyksa Steel Works, part of United Metallurgical Company (OMK), has begun the reconstruction of its No. 2 pipe welding shop, which specialises in making small and medium diameter pipe. The upgrade will raise the shop's production capacity to 300,000 tpy and allow a wider range of pipe diameters/wall thicknesses to be made.	SBB 01-Sep-11
		(930)	OH x 2		ERW			
		(1340)	ERW x 3					
		(1962)	SAW x 2 Rolling					

Economy: **RUSSIAN FEDERATION (27)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Yartsevo Foundry & Rolling Plant</u>	Yartsevo	220						
		(220)	EF LF CC (billet)					
<u>Zlatoust Metallurgical Works (Estar Holding.)</u>	Zlatoust, Chelyabinsk	700				P		
			(special steel) OH x 3 EF x 8 CC BLM BTM STR x 3					

Economy: **UKRAINE**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source	
						Start-up date			
Alchevsk Iron & Steel Works (Subsidiary of the Industrial Union of Donbass)	Alchevsk, Lugansk	7600			(Possible)	P	2011-12 Alchevsk Iron & Steel Works (Alchevsk), the subsidiary of the Ukrainian steel producer Industrial Union of Donbass (ISD), planned in 2010 to restart the construction of its blast furnace (BF) No.2, which was then about 30 percent completed. The commissioning of Alchevsk's BF No.2 was planned for June 2011, and was expected to allow Alchevsk to increase its daily output of pig iron by 65.5 percent to 24,000 mt. The contract for the design and construction of the BF was concluded with Netherlands-based plantmaker Danieli Corus. Alchevsk commissioned two basic oxygen furnaces in 2007 and 2008. The new furnaces replace four old open-hearth furnaces.	NET 29-Sep-09 HP	
		(5320)	BF x 4						
		(5500)	LD x 2			BF			
			OH x 6						
		(5000)	LF x 2						
		(5000)	CC (slab) x 2						
		(600)	SLM						
		(1000)	BLM						
		(1650)	Plate x 2						
		(1600)	STR						
ArcelorMittal Kryviy Rih (formerly Kryvorizhstal)	Kryviy Rih, Dnepropetrovsk	8500			(3500) (Unlikely)	P	2012 ArcelorMittal Kryviy Rih had earlier planned to increase capacity from 8.5m to 12m tpy of liquid steel by 2012, with a new sinter plant, a new 5m tpy converter shop, and new slab and billet casters. The remaining open hearth furnaces and old sinter plant will be closed. It intended to commission its first 1.2m tpy continuous billet caster, which will eventually replace its current ingot casting process, in October-November 2011.	SBB 17-Jan-12 SBB 04-Jun-10	
		(11500)	BF x 6						
		(2000)	OH x 2						
		(6500)	LD x 6			LD			
		(10000)	BLM x 2			CC (slab)			
		(4150)	STR x 6						
		(1920)	WR x 3						
		(1200)	CC (billet)						
	AzovElectroStal	Manupol, Donetsk	500						
			(500)	EF					
		(450)	LF CC (billet)						

UKRAINE (2)

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Azovstal Iron & Steel Works (Metinvest Holding)</u>									
	Mariupol, Donetsk	4480		(3520) (Unlikely)		P	2013-14	Ukraine's Metinvest plans to spend USD 15 billion on doubling crude steel production by 2013-2014. The company will invest USD 5 billion at its Azovstal works. Metinvest estimates Azovstal will increase crude steel production over the next 5-6 years to 8 million tpy and concentrate on flat products. Azovstal closed the last two open hearth furnaces in May 2011.	SBB 25-May-11
		(5719)	BF x 5	(3520)	LD				
		(4480)	LD x 2		Hot				
			LF x 2						
		(4480)	CC (slab) x 3						
		(3690)	BLM						
		(2590)	STR x 2						
		(2080)	Plate						
<u>AZST-Color</u>									
	Antrazit, Lugansk	(70)	Ptg						
<u>Dnepropetrovsk Comintern Steel Works</u>									
	Dnepropetrovsk	(224)	ERW x 3						
<u>Dnepropetrovsk Iron & Steel Works (DMZP) (Evraz Group)</u>									
	Dnepropetrovsk	1230		(Unlikely)		P		Dnepropetrovsk Iron & Steel Works will undergo a major modernisation programme following its acquisition by Evraz Group. Evraz plans included switching the plant to 100% continuous casting and replacing the mill's smaller blast furnaces with larger models.	MB 29-May-08
		(1800)	BF x 3		CC				
		(1230)	LD x 3						
			BLM						
			Plate						
			STR x 2						

Economy: **UKRAINE (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Dneprospeitsstal</u>	Zaporozhye	918 (918)	(special steel) EF x 10 IF LF x 2 AOD BLM	540 (Firm) (540)	(special steel) EF	2012	Dneprospeitsstal installed a new electric arc furnace in 2012. The 540,000 tpy capacity furnace replaces three existing furnaces, which cost the company around EUR 10m. Siemens VAI supplied the equipment.	HP 18-Feb-10 SBB 13-Oct-10 MB 31-Oct-11
<u>Dneprovsky Metallurgical Plant (Subsidiary of the Industrial Union of Donbass)</u>								
	Dneprodzerzhinsk	3850 (4350) (3850) (1700) (700) (700) (4300) (2320) (190)	BF x 4 LD x 2 CC (billet) CC (bloom) CC BLM x 2 STR x 5 Rolling x 3	(3150) (Unlikely) (3150)	BF LD LF CC (slab) CC (billet)	P 2020	Dneprovsky Iron & Steel Works named after F. Dzerzhinsky (DMKD), a subsidiary of the Ukrainian steelmaker Industrial Union of Donbass (ISD), plans to increase its crude steel output to 7 million tpy by 2020, up by 2.03 times compared to 2009. By 2020 DMKD is going to construct a new sinter plant, which will include two highly productive sinter machines with subsequent decommissioning of the existing sinter plant. Also by 2020, DMKD is planning to construct two blast furnaces of 1,640 cu metre and 3,000 cu metre volumes, with installation of pulverized coal injection, to reconstruct its blast furnace No.9 and increase its volume to 1,640 cu metre, to install a vacuum degasser with chemical heating, and to construct a converter No.3 and ladle furnace No.3 in order to increase the output of converter steel and expand its grade range.	SO 30-Apr-10 SO 02-Apr-10
<u>Dniepropetrovsk Tube Works (Subsidiary of the Industrial Union of Donbass)</u>								
	Dniepropetrovsk	(350)	SMLS x 2 ERW x 2			P		

Economy: **UKRAINE (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Donetsk Electrometallurgical Plant (DEMZ) (Mechel Group)</u>									
	Donetsk	1100		(400) (Unlikely)		P	2015	Russian miner and steelmaker Mechel has completed the acquisition of Ukrainian carbon and special steel longs producer Donetsk Electrometallurgical Plant (DEMZ). The USD 537m deal cost will be paid in instalments over seven years. DEMZ hopes to increase its crude steel capacity to 1.5m tpy by 2015.	SBB 28-Dec-11
		(1100)	EF LF CC (billet) STR	(400)	Steelmkg				
<u>Donetsk Iron & Steel Works (DMZ - Donetskii Metallurgicheskii Zavod)</u>									
	Donetsk	1000		800 (Firm)		P	2012	Donetsk Steel (DOMZ) postponed the launch of its electric arc furnace until 2012 owing to the financial crisis. The Siemens-made unit, with a potential annual capacity of 1.8mmt, is expected to replace the plant's No.3 and No.4 open-hearth furnace units.	MB 25-Jun-10 HP SBB 20-Dec-11
		(1620) (1000) (650) (270) (500)	BF x 2 OH x 6 CC (slab) STR x 3 Plate	(1800)	EF				
<u>Donetsk Metal Rolling Works</u>									
	Donetsk	(135)	STR			S			
<u>Electrosteel Machine Building Works</u>									
	Kramatorsk	600							
			EF OH x 4 BLM STR						

Economy: **UKRAINE (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Euro Finance Ltd</u>	Mini mill project in Belaya Zerkov			(1800)	(1800) (Unlikely)	P	2011-12	Ukrainian scrap operator Euro Finance commenced building its first steel plant with a capacity of 1.8m tpy. The contract for equipment supply was signed with Siemens in June 2008. The works planned on having a 120-tonne electric arc furnace and a twin-station ladle furnace, an eight-strand billet caster, and a long product rolling mill. The company plans to manufacture 1.6m tpy of wire rod and bar (rounds, rebar and square bar) and 200,000 tpy of billet for sale.	MB 16-Jul-08 MB 31-Oct-11
<u>Ilyich Iron & Steel Works (Metinvest Group)</u>	Maniupol, Donetsk	7170		(1830)	(1830) (Unlikely)	P		The Ukrainian flat steel producer Ilyich Iron and Steel Works is planning reconstruction work. With the aim of increasing production up to 7.2 million tpy of pig iron and up to 9 million tpy of crude steel, Ilyich's current modernisation plan envisages reconstruction of blast furnace No.1, closure of open hearth production and a slab caster, and the construction of a new oxygen converter and casting/rolling module with the capacity up to 4.5 million tpy instead.	SBB 19-Jul-11
		(6570)	BF x 5	(630)	BF				
		(3050)	LD x 3	(1830)	LD				
		(4120)	OH x 6		CC (slab)				
		(6300)	CC (slab) x 2	(4500)	Rolling				
		(2588)	SLM						
		(3800)	Plate x 2						
		(1370)	Hot						
		(263)	Cold						
		(560)	SMLS x 2						
			ERW x 2						
			HGL x 2						
<u>Interpipe</u>	Niko Tube (Dnepropetrovsk)	(310)	SMLS			P			

Economy: **UKRAINE (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
NMPP - Novomoskovsk	Pipe Plant (Novomoskovsk)	(320) (140) 720	SAW ERW x 4		600 (Firm)	2012	Interpipe, the Ukrainian seamless pipe and railway wheel producer, began to test production at its new EAF meltshop at Dneprosteel in 2012. Commercial production of pipe billet was expected to have begun in March 2012, taking a year to ramp up the shop close to the full 1.32m tpy crude steel capacity. Concurrently, it planned on phasing out all its four open hearth furnaces, whose combined capacity exceeded 700,000 tpy, and to dismantle them all during 2012.	SBB 20-Dec-11 SBB 10-Feb-12 SBB 12-Dec-11 SBB 01-Nov-11
NTRP - Nizhnedneprovsky	Tube Rolling Plant (Dnepropetrovsk)	(720) (715) (75) (250)	OH x 4 SMLS x 5 ERW x 4 Rolling	(1320)	EF LF CC (round) CC (bloom)			
<u>Khartsyzsk Pipe Plant (Metinvest Holding.)</u>								
	Khartsyzsk, Donetsk	(1600)	SAW					
<u>Konstantinovka Iron & Steel Works</u>								
	Konstantinovka, Donetsk	(390) (324)	BF x 2 STR					
<u>Kramatorsk Iron & Steel Works named after Kuybyshev (Subsidiary of the Industrial Union of Donbass.)</u>								
	Kramatorsk, Donetsk	253				P		
		(253) (190)	BF x 2 OH x 3 STR x 2					

Economy: **UKRAINE (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Lugansk Tube Works</u>	Lugansk	(300)	ERW x 5						
<u>Makeyevka Iron & Steel Works (Metinvest Group)</u>	Makeyevka		BF x 3 OH x 6 BLM BTM STR x 2 WR	(8000) (8000)	(Unlikely) Steelmkg	P	2013-14	Ukraine's Metinvest Group plans on raising its steel production to roughly 20m tpy by 2018, compared to 2007, when the group says output was around 11m t. Roughly USD 4.5bn will be spent at Azovstal, and USD 2bn at Yenakievsky (Enakievo) Steel Works (EMZ). A further USD 6-6.5bn is ear-marked to reconfigure Makeyevka over 5-6 years. The key project is at Makeyevka – which joins Metinvest by way of the group's merger with Ukraine's Smart-Holding. Here, Metinvest will install 8m tpy of slab production via the integrated route. According to Ukrainian reports, the slab complex will comprise a 10m tpy sinter plant, and two blast furnaces.	SO 12-Oct-09 SBB 21-Apr-09
<u>Metals & Polymers</u>	Alchevsk, Lugansk	(100) (70)	HGL Ptg						
<u>Nikopol Pivdennotrubny Works</u>	Nikopol, Dnepropetrovsk	35 (35)	(stainless steel) EF x 11 SMLS x 2 ERW x 3 Cold x 2			S			

Economy: **UKRAINE (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Sumy Frunze</u>	Sumy	70						
<u>Unisteel</u>	Kriviy Rih, Dnepropetrovsk	(70)	EF					
<u>Vorskla Steel</u>	Komsomolsk, Poltava	(100)	HGL					
				(3000)	(Unlikely)	2012-13	Vorskla Steel, a company registered in Switzerland, is preparing to begin construction of its steelworks on a site near the city of Komsomolsk in Ukraine's Poltava region. Vorskla Steel is a sister company to Switzerland-based Ferrexpo, with which it shares a common shareholder. Ferrexpo controls Ukrainian iron ore producer Poltava GOK, which will supply Vorskla's steelworks with pellets. These will be reduced in two Midrex DRI plants, each with a capacity of 1.7m tpy. The new works will also comprise two EAFs with a combined capacity of 3m tpy, two ladle furnaces, and two continuous slab casters also of a combined capacity of 3m tpy.	SBB 06-Jan-09 HP

Economy: **UKRAINE (9)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Yenakievo Iron & Steel Works</u>								
Yenakievo, Donetsk		3000		(500) (Unlikely)		2013	The Ukrainian iron ore and steel producer Metinvest Holding (Metinvest) plans to upgrade its capacities at Yenakievo Iron and Steel Works (EMZ). Metinvest completed the construction of a new blast furnace No.3 at EMZ in 2011 and will reconstruct its blast furnace No.1, thus bringing pig iron production capacity up to 3.5 million tpy. As a result of the investment program, EMZ will be able to produce 3.5 million tpy of crude steel. In addition, Metinvest plans to build two billet casters and phase out the existing blooming (roughing) mill. As a result, EMZ will be able to produce 4 million tpy of concast billet.	SBB 21-Dec-10 MB 06-Dec-11
		(3150)	BF x 4	(350)	BF			
		(3000)	LD x 3	(500)	Steelmkg			
			LF x 2		STR			
		(1990)	CC (billet)					
		(3230)	BLM					
		(4250)	STR x 3					
		(800)	WR					
<u>Zaporizhstal Integrated Iron & Steel Works</u>								
Zaporizhzhya		4350				P		MB 24-Aug-11 SBB 11-Jul-11
		(3250)	BF x 5				In June 2011, Metinvest acquired a 50% stake in Industrial Group, the company that holds 51% of Zaporizhstal. It signed an agreement at that time concerning the plant's joint management. Metinvest was reported not to have been planning of any concrete investment plans for Zaporizhstal, since the group does not have full control of the plant.	
		(4350)	OH x 9					
		(5200)	SLM					
		(3500)	Hot					
		(1180)	Cold x 7					
			Tin Plate					

Economy: **OTHERS** Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>AZERBAIJAN</u>								
<u>Azerbaijan Tube Rolling Plant Works (Azerbotu)</u>								
	Sumgait	850						
		(850)	OH x 6 BLM					
		(700)	BTM					
		(960)	SMLS x 3					
<u>Baku Steel Co</u>								
	Baku	350						
		(350)	EF					
		(350)	CC (billet) STR					
<u>DHT METAL</u>								
	Baku	150						
		(150)	IF					
		(150)	CC (billet)					
		(150)	STR					

Economy: **OTHERS (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
BELARUS									
<u>Byelorussian Steel Works (BMZ)</u>									
	Zhlobin, Gornel	2200			(Firm)	S	2012-14	Byelorussian Steel Works (BMZ) was reported to have contracted Danieli of Italy to supply a 700,000 tpy wire rod and rebar rolling mill and a new 800,000 tpy hot strip mill. Each mill was expected to come on stream by mid-2013 and 2014. Additionally, BMZ has contracted Siemens VAI of Austria to revarmp its No 2 continuous billet caster with a view to improving the billet structure and expanding the caster's capacity from 850,000 tpy to 1.2m tpy. At the beginning of January 2012, The government of Belarus completed the reincorporation of BMZ into a joint-stock company. The move opened the way for the government to sell off a stake in the steelmaker before the end of 2013. The government planned to retain at least a 51% stake in the company. The steelmaker continues to be fully state-owned and run directly from the ministry of industry.	SBB 07-Sep-11 SBB 10-Jan-12
		(2200)	EF x 3 LF	(350) (700)	CC (billet) WR				
		(850)	CC (billet) x 2 CC (bloom)	(800)	Hot				
		(450)	BTM						
		(800)	STR						
		(490)	WR						
		(250)	SMLS						
GEORGIA									
<u>Euroasian Ventures</u>									
	Kutaisi	250				P			
		(250)	EF						
		(120)	CC (billet) STR						

Economy: **OTHERS (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Georgian Steel (Rustavi Metallurgical Plant)</u>	Rustavi	240				P		Georgian Steel, the Rustavi, Georgia-based rebar and seamless pipe producer, was reported in 2011 to have filed for insolvency and the case was handled by Tbilisi City Court. The bankruptcy procedure was associated with legal battles over the plant's ownership between Georgian managers/businessmen and UK-registered Thames Steel UK Limited. The new 15-tonne electric arc furnace, whose commissioning was several times delayed, is fully assembled and production tests began in November 2011.	SBB 03-Nov-11
		(120)	IF x 4						
		(240)	CC (billet)						
		(725)	BF						
		(1500)	BLM						
		(1000)	BTM						
		(250)	STR						
	(370)	SMLS x 2							
	(120)	EF							
<u>GeoSteel</u>	Rustavi	175				P		Georgian rebar mini-mill Geosteel plans to expand its capacity for crude steel and add a light sections rolling mill to diversify its product range.	SBB 08-Jul-11
	(175)	EF							
		LF							
	(175)	CC (billet)							
	(175)	STR							
MOLDOVA									
<u>Moldova Steel Works (MMZ)</u>	Rybnitsa	1200				P			
	(1200)	EF							
		LF							
	(1200)	CC (billet)							
	(900)	STR							
		WR							

Economy: **OTHERS (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
TURKMENISTAN									
<u>Turkmenistan Iron & Steel</u>	Ashkhabad	135							
		(135)	EF						
		(160)	STR x 2						
UZBEKISTAN									
<u>Uzmetkombinat</u>	Bekabad, Tashkent	750			(Possible)	S		2012 UzbeKistan Steelworks (Uzmetkombinat) has announced several tenders to select companies to supply equipment for its scrap processing shop and carry out upgrades of one of the three continuous billet casters and one of the two reheating furnaces. Operating just one or two casters at once, it is able to make 650,000 tpy of billet. This should have risen to 850,000 tpy and almost match the mill's 1.2m tpy capacity for finished long products.	SBB 18-Aug-11
			EF x 3		(200)				
			OH		CC (billet)				
			LF						
			CC (billet) x 3						
		(460)	STR						
		(150)	WR						
			Rolling						

LATIN AMERICA

Thousand tonnes per year

Economy	Nominal capacity							Crude steel production 2011	Apparent consumption 2011
	Exist 2011	Increase to 2014			Capacity in 2014				
		Firm	Possible	Unlikely	Mean	Low	High		
ARGENTINA	6 575	0	0	3 250	6 575	6 575	6 575	5 611	6 087
BRAZIL	47 240	1 670	0	27 700	48 910	48 910	48 910	35 220	27 813
COLOMBIA	1 910	0	0	250	1 910	1 910	1 910	1 287	3 395
PERU	1 280	0	0	550	1 280	1 280	1 280	926	2 834
VENEZUELA	6 205	0	1 700	0	7 055	6 205	7 905	3 073	3 216
OTHERS	3 710	0	0	1 700	3 710	3 710	3 710	2 060	5 063
TOTAL	66 920	1 670	1 700	33 450	69 440	68 590	70 290	48 177	48 408

Note : Apparent consumption is in terms of crude steel.

Sources : OECD (for capacity) and the World Steel Association (for production and consumption)

Economy: **ARGENTINA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>AcerBrag SA (Votorantim Siderurgia)</u>	Ruta Nacional, Bragado	350			(Possible)	P	2011	Argentina's mini-mill Aceros Bragado (AcerBrag) is expected to have reached a capacity of 320,000 tpy of long steel products in 2011, up from 250,000 tpy in 2010. Such increased capacity would be the maximum AcerBrag will be able to achieve under its current power supply scheme. A project to reach 450,000 tpy is subject to the construction of a power transmission line by the Argentinian authorities.	MB 01-Nov-10 MB 07-May-09
		(350)	EF x 2 CC (billet)	(70)	STR				
		(250)	STR						
<u>Aceros Zapla SA (formerly Altos Hornos Zapla)</u>	Palpalá, Jujuy	400				P			
		(240)	BF (Charcoal) x 2						
		(130)	LD x 2						
		(400)	EF x 3						
			CC (billet)						
			BLM						
			STR						
			WR						
<u>Acindar Industria Argentina de Aceros SA (ArcelorMittal Group)</u>	Rosario					P			
		(180)	STR						

Economy: **ARGENTINA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Villa Constitución	1700			(Unlikely) (special steel)		Argentinian longs producer Acindar's expansion plan is progressing well as the company – controlled by global steel producer ArcelorMittal – prepares to make an extra 25,000 tpy of special bar quality (SBQ) products in the short to medium term. Acindar intends to invest substantially in its facilities over the next few years.	SBB 21-Feb-12
	<u>Fortunato Bonelli y Cia SA</u> San Nicolás				(25) STR			
	<u>Imcayper SA</u> Rosario	(300)	STR			P		
	<u>Ortiz y Cia SA</u> Córdoba	(55)	ERW					
	<u>Ostrilion Sac & I</u> Buenos Aires	(54)	ERW					
	<u>Siat SA (Tenafis Siat)</u> Buenos Aires	(41)	HGL			P	Siat SA is a steel pipe producer controlled by Techint group. Its Buenos Aires plant produces welded steel pipes with an annual production capacity of 350,000 tonnes.	NET HP
			ERW SAW					

Economy: **ARGENTINA (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	Santa Fe	(80)	ERW					
<u>Siderar SAIC (Ternium Siderar)</u>	<u>Canning</u>					P		
	Ensenada	(360) (65)	HGL Plg					
	Florencio Varela	(1080)	Cold					
	Haedo	(120)	EGL					
	Rosario	(180)	HGL					
	San Luis	(130)	ERW					
	San Nicolás	(60) 2850	ERW		(2250) (Unlikely)			SBB 08-Jul-11
		(3700) (2850) (2850) (2750) (700) (160)	BF x 2 LD x 3 CC (slab) Hot Cold Tin Plate		(2250) LD (2300) CC (slab)		Ternium Siderar plans to increase melting capacity to 5.1m tpy and install a new 2.3m tpy slab caster, as announced in 2007. The company did not give a timeframe for the completion of these projects.	HP

Economy: **ARGENTINA (4)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Siderca SAIC (Tenaris Siderca)</u>	Campana	1200				P		
		(690)	DR (MIDREX)					
		(1200)	EF x 2 LF x 2					
		(850)	CC (round) SMLS x 2					
<u>Sipar Aceros SA (Gerdau Group)</u>	Perez					P		
				(1000)	(1000) (Unlikely)		Gerdau announced that its plans to construct a greenfield longs mill in Pérez, Argentina. Gerdau's initial plans for the Argentinean market included a 1m tpy minimill, in which the company would invest over USD 500m. The unit would be built 5km away from Sipar Gerdau, the company's existing rerolling mill in that country.	SBB 15-Nov-10 SBB 11-Aug-09
	Rosario, Santa Fe			(1000)	Steelmkg (1000) STR			
<u>Sociedad Industrial Puntata SA (Sipsa) (Tenaris Group)</u>		(260)	STR			P		
	Villa Mercedes, San Luis	75						
		(75)	EF					
		(75)	STR					
<u>Tubos Argentinos SA</u>	San Luis	(96)	ERW					
							On 16 December 2003, Tenaris acquired all of the shares and voting rights of Sociedad Industrial Puntata S.A. (Sipsa), a company whose principal asset is a manufacturing facility located in the province of San Luis, Argentina for USD 2.9 million.	

Economy: **BRAZIL**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Aço Cearense & Vale JV</u>	Flat products rolling mill project			(710) (450) (150)	(Possible) Hot Cold HGL			Vale's hot strip mill project with Aço Cearense, called Aline, was on hold until the end of 2013. The company initially planned to invest about BRL 1.5bn to produce 710,000 tpy of hot rolled coil, 450,000 tpy of cold rolled coil and 150,000 tpy of hot-dip galvanized sheet using slab supplied by Alpa. Vale controls 25% of the hot strip mill project and Aço Cearense 75%.	SBB 07-May-12 SBB 25-Jun-12
<u>Açopalma (Companhia Industrial de Aços Várzea da Palma)</u>	Várzea da Palma		EF BTM STR						
<u>Aços Laminados do Pará (ALPA) (Vale's steel plant project)</u>	Marabá, Pará			(2500)	(Unlikely)			Work at the site of Aços Laminados do Pará (Alpa) stopped in mid-2012 after the federal government halted plans to improve port and navigation facilities on the Tocantins river that would enable the steelworks to ship its products and receive raw materials. Alpa had been expected to go into operation in 2013.	SBB 29-Jun-12 SBB 26-Oct-12 SBB 29-Apr-13
<u>Aços Villares SA</u>	Mogi das Cruzes, São Paulo	360	(special steel) EF BTM CC (bloom) STR	(360) (300) (360) (300)					P

Economy: **BRAZIL (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Sorocaba, São Paulo								
			STR						
			WR						
<u>Aperam South America (formerly ArcelorMittal Inox Brasil SA)</u>						P			
	Timóteo, Minas Gerais	900							
		(700)	(stainless steel) BF x 2						
		(900)	EF x 2						
			LF						
		(1050)	CC (slab) x 2						
		(800)	Hot						
		(200)	Cold						
		(500)	Cold (sth)						
		(200)	Silicon						
		(2)	ERW						
<u>Apolo Tubos e Equipamentos</u>									
	Rio de Janeiro								
		(250)	ERW						
		(120)	SAW						
<u>Apolo Tubulars SA</u>									
	Lorena, São Paulo								
		(120)	SMLS						
									HP
								Apolo Tubulars industrial plant has an installed capacity to produce 120,000 tpy of steel pipe, with 80% of the production turned to the manufacturing of pipes for production and exploration (OCTG) and 20% for transport pipes (Line Pipe).	

Economy: **BRAZIL (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>ArcelorMittal Aços Longos</u>						P			
	Juiz de Fora	1000		(200)	(Unlikely)		2015	ArcelorMittal Aços Longos resumed the expansion projects in June 2013 at its Brazilian longs units Juiz de Fora and Monlevade, with a total investment of BRL 352 million. These expansion projects had been delayed since November 2011 because of the global economic slow down and weak markets. The investment will add 200,000 tpy of crude steel capacity to Juiz de Fora, in Minas Gerais state, enabling it to increase billet production.	SBB 07-Jun-13 SBB 05-Sep-13 HP 10-Jun-13
		(360)	BF (Charcoal) x 2	(200)	Steelmkg				
		(1000)	EF						
		(1000)	CC (billet)						
		(1000)	WR						
		(1000)	STR						
	Monlevade	1200			(Possible)		2014	ArcelorMittal Aços Longos is increasing the capacity of its Monlevade wire rod mill from around 1.2 million tpy to 2.3 million tpy by the end of 2014 with the installation of a third rolling mill. Output from Juiz de Fora, along with 200,000 tpy of crude steel capacity, will support an increase in wire rod production at Monlevade.	SBB 05-Mar-12 SBB 07-Jun-13 SBB 05-Sep-13
		(1200)	BF						
		(1200)	LD x 2	(1100)	WR				
		(550)	LF						
		(1100)	CC (billet)						
		(1200)	WR x 2						
	Piracicaba	1100							
		(1100)	EF						
		(1100)	LF						
		(1100)	CC (billet)						
		(1150)	WR x 2						
	Vitória	340			(Unlikely)		2012	ArcelorMittal Brazil was reported to be considering an investment of USD 300m in a third rolling mill at its Cariacica rebar and sections plant in Espírito Santo state. The facility would allow Cariacica – the longs unit with the lowest capacity in the group – to increase rolled output from 600,000 tpy to 840,000 tpy.	SBB 06-Jul-11 SBB 22-Feb-11
		(340)	EF	(240)	STR				
		(340)	CC (billet)						
		(300)	STR						

Economy: **BRAZIL (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>ArceLorMittal Tubarão (formerly CST)</u>	Vitória, Espírito Santo	7600			(Unlikely)	P	ArceLorMittal Brazil expects to make a decision on the expansion of the hot strip mill at its Tubarão plant by the end of 2014 or early 2015. The company plans to raise the HSM capacity to 4.5-4.6 million tpy from the current 4 million tpy.	SBB 30-Dec-13 SBB 07-Jun-11
		(7450)	BF x 3	(500)	Hot			
		(7600)	LD x 3					
		(7600)	CC (slab) x 3					
		(4000)	Hot					
<u>ArceLorMittal Vega</u>	São Francisco do Sul, Santa Catarina				(Possible)	P	2014 ArceLorMittal Brazil is studying alternatives for the resumption of the Vega do Sul expansion project in Espírito do Santo state. The plan is to add a third hot-dip galvanizing line with production capacity of 600,000 tpy and a second cold-rolled coil line of 700,000 tpy. Current total production capacity is about 1.4 million tpy of CRC, HDG and galvalume.	SBB 09-Oct-13 SBB 07-Jun-11
<u>Armco do Brasil SA</u>	Vila Prudente, São Paulo							
		(150)	Cold x 2 EGL	(600) (700)	HGL Cold			
<u>Belgo Brasileira SA</u>	Mogi das Cruzes, São Paulo					P	Belgo Brasileira produces iron and metal powders.	
		(21)	EPIF					
<u>Calsete Siderurgia SA</u>	Sete Lagoas, Minas Gerais							
		(250)	BF					

Economy: **BRAZIL (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Companhia Industrial Itaunense</u>	Itaúna, Minas Gerais	120						
		(120)	EF x 2					
		(120)	CC (billet)					
		(110)	STR					
<u>Companhia Setelagoana de Siderurgia (Cossisa)</u>	Sete Lagoas, Minas Gerais							
		(216)	BF					
<u>Companhia Siderúrgica do Mearim</u>	Slab mill project in Maranhão				(3500) (Unlikely)	2013	The project of Companhia Siderúrgica do Mearim (CSM), a planned 10m tpy greenfield slab project backed by Brazilian mining and energy group Aurizônia, is planned to be developed in the country's northern state of Maranhão. The first stage involves a 3.5m tpy unit, and this will be followed by two other modules to reach 10.5m tpy at an undetermined date.	SBB 06-Jun-08 SBB 03-Aug-10

Economy: **BRAZIL (6)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Companhia Siderúrgica do Pecém (CSP) (Dongkuk, POSCO & Vale JV)</u>	Portuario Do Pecem, Ceara			(3000)	(3000) (Unlikely)	P	2015	Future slab maker Companhia Siderúrgica do Pecém (CSP), in Brazil's northeastern Ceará state, is designed to produce 3 million tpy of slabs in its first stage and is expected to start up in the second half of 2015. Slab production may reach 6 million tpy in a second stage. CSP is a joint venture of Brazil mining group Vale (50%) and Korean steel producers Dongkuk (30%) and POSCO (20%). It is reported that Vale intends to reduce its 50% ownership stake after the project's construction is completed. The total investment in CSP from all three partners may reach USD 5.1 billion. At the close of 2013, the construction project reached 44.1% of completion. In August 2013, Brazil's northeastern Ceará state special export zone (ZPE) will grant Companhia Siderúrgica do Pecém (CSP), among others, advantages on shipments abroad. In December 2013, the Brazilian Institute of Environment and Renewable Natural Resources (Ibama) authorized the start of the second phase of expansion of the Pecém port terminal, in the northeastern state of Ceará.	SBB 10-Oct-13 SBB 03-Dec-13 SBB 08-Jan-14 SBB 20-Jan-14
<u>Companhia Siderúrgica Ubu (CSU) (Vale's steel plant project)</u>	Anchieta, Espírito Santo			(5000)	(5000) (Unlikely)		2014	Vale continues to develop the Companhia Siderúrgica de Ubu (CSU) steel project and look for a majority partner. The USD 5 billion slab project, to be located in the southeastern Brazil state of Espírito Santo, is expected to produce 5m tpy. Initially, operations were expected to begin in 2014.	SBB 26-Oct-12 SBB 01-Feb-13 SBB 29-Apr-13

Economy: **BRAZIL (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Confab Industrial SA (Tenaris Group)</u>	Pindamonhangaba	(146) (248)	ERW SAW					
	SCS	(156)	SAW x 3					
<u>Cosipar - Cia Siderurgica do Para Ltda</u>	Barcarena, Pará (Usipar)	(500)	BF x 2	(2500)	(Unlikely) Steelmkg	2015	A Brazilian steelmaking complex is planned to be built in northern Pará state. The project was postponed in July 2011 when executives came to a consensus that, due to global market conditions in the steelmaking sector, the most prudent move was to continue developing some projects internally, rather than going ahead with a new venture. Previously expected to start up in 2015, the steelworks would include a 2.5m tpy slab mill, a coke plant and 15m tpy port terminal. The JV is formed by Cosipar subsidiary Usipar and the main shareholder of Russia's Mechel, Igor Zyuzin, through hot rolled coil producer Mir Steel UK.	SBB 10-Feb-11 SBB 10-Feb-12 SBB 19-Jul-11
<u>CSN - Companhia Siderurgica Nacional SA</u>	Marabá, Pará	(480)	BF (Charcoal) x 4					
	CSN-Paraná	(330) (100)	HGL Ptg					

Economy: **BRAZIL (8)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
		capacity	equipment	capacity	equipment	Start-up date		
Galvasud SA		(350)	HGL	(1000)	(Unlikely)		At the time of writing, CSN had not yet disclosed the locations of two other new mills, part of a planned BRL 2.2bn investment, with capacities of 500,000 tpy each.	SBB 06-Jul-12
	New mills Project			(1000)	Steelmkg STR			
Volta Redonda Long Steel Project, Rio de Janeiro				550	(Firm)	2014	Brazil steelmaker Companhia Siderúrgica Nacional (CSN) plans to begin operation of its new longs plant with a capacity of 500,000 tpy by the end of Q1 or early Q2 in 2014. The plant is already in the testing stage. The facility is being constructed at its existing flats facilities in Volta Redonda, Rio de Janeiro state. The mill will produce mainly rebar, as well as some bar and wire rod products. The investments in the new plant total BRL 1.2 billion. CSN will be the fifth company to compete directly in the Brazilian longs market along with ArcelorMittal, Gerdau, Votorantim Siderurgia and Sinobrás.	SBB 16-Oct-13 SBB 26-Nov-13 SBB 17-Jan-14
		5800		(550)	EF			
		(5800)	BF x 3 LD x 3	(600)	CC (billet)			
		(1980)	LF	(500)	STR			
		(5600)	CC (slab) x 3	(100)	WR			
		(4800)	Hot					
		(2820)	Cold x 3					
		(690)	HGL x 3					
		(1020)	Tin plate x 6					
<u>Dedini S/A Industrias de Base</u>								
	Piracicaba	90						P
		(90)	EF					

Economy: **BRAZIL (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Etna Steel</u>	Osasco, São Paulo		EF x 4 IF						
<u>Excell SA Tubos de Aço</u>	Mogi das Cruzes	(25)	SMLS			P			
<u>Fergumar - Ferro Gusa do Maranhão Ltda</u>	Açailândia, Maranhão	(216)	BF						
<u>Ferro Gusa Carajás</u>	Carajás, Pará	(380)	BF (Charcoal) x 2						
<u>Gerdau Açominas SA</u>	Ouro Branco, Minas Gerais	4500			(Firm)	P	2013-15	Gerdau's new flats unit, built at its Açominas plant in Minas Gerais state, was slated to start production in March 2013, after total investments of BRL 2.4 billion. The line, which was built at its Açominas plant, will have the capacity to produce 800,000 tpy of HRC and, in two years, the company also planned to produce heavy plates. It is reported that the company plans to ship 300,000-400,000 tpy of hot-rolled coil from its new flats unit in 2013, adding that half would be destined for the export market.	SBB 25-Jan-13 SBB 22-Feb-13
		(4210)	BF x 2	(1100)	Plate				
		(4500)	LD x 2	(800)	Hot				
		(2500)	LF x 2						
		(2000)	BTM						
		(2400)	S/BLM						
		(1000)	CC (billet)						
		(1500)	CC (bloom)						
		(3000)	CC (slab)						
		(1190)	STR x 2						
		(550)	WR						

Economy: **BRAZIL (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Gerdau Aços Especiais SA</u>	Pindamonhangaba, São Paulo	600				P		
		(600)	EF x 2				Gerdau is already testing its new special round bar rolling (SBQ) mill with a capacity of 500,000 tpy in its Pindamonhangaba facility in Sao Paulo state.	SBB 01-Dec-13
		(600)	LF x 2		(500) STR			
		(500)	BTM					
		(600)	CC (bloom)					
		(380)	STR					
		440						
	Piratini, Rio Grande do Sul		(special steel)					
		(440)	EF					
		(440)	LF					
		(250)	BTM					
		(430)	CC (billet)					
		(430)	STR x 2					
<u>Gerdau Aços Longos SA</u>						P		
	Açonorte	260						
		(260)	EF x 2					
		(130)	LF					
		(260)	CC (billet) x 2					
		(220)	STR					
			WR					
	Água Funda							
		(180)	STR					
	Barão de Cocais	350						
		(330)	BF x 2					
		(350)	LD					
		(350)	CC (billet)					
		(180)	STR					

Economy: **BRAZIL (11)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Cearense	190							
		(190)	EF						
		(150)	CC (billet)						
		(160)	STR						
	Contagem								
		(240)	BF x 2						
	Cosigua	1200			600 (Firm)		2012	Gerdau was earlier reported to be investing BRL 2.47 billion to install a new long product rolling mill, with plans to expand crude steel capacity by 50% at its Cosigua works in Rio de Janeiro. Crude steel capacity at the plant should reach 1.8 million tpy, while the rolling mill will be able to produce 1.1 million tpy of rebar and wire rod. Initially, Cosigua's meltshop was expanded by 50% in 2012, while the new rolling plant was scheduled to become operational in 2013, with an initial capacity of 600,000 tpy.	SBB 03-Mar-11 MB 03-Mar-11
		(1200)	EF x 2		(600)	EF			
		(1200)	LF x 2			STR			
		(1200)	CC (billet) x 2			WR			
		(750)	STR x 2						
		(230)	WR						
	Divinopolis	500							
		(290)	BF x 3						
		(500)	LD x 2						
		(500)	LF						
		(500)	CC (billet)						
		(400)	STR						
	Guaira	510							
		(510)	EF						
		(510)	CC (billet)						
	Margusa								
		(200)	BF x 2						

Economy: **BRAZIL (12)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	New Long Plant 1 and 2			(1000)	(Unlikely)			Brazilian steelmaker Gerdau is considering establishing two new longs plants - one in the country's north-northeastern region and the other in the midwestern region. Also, a new longs rolling mill may be set up in the south. The first two minimills, with planned installed annual capacity of 500,000-700,000 tonnes each, will target the construction and manufacturing industries.	SBB 06-May-11 HP
	Riograndense	300							
		(300)	EF						
		(190)	LF						
		(380)	CC (billet) x 2						
		(215)	STR x 2						
		(200)	WR						
	São Paulo	800							
		(800)	EF						
		(800)	LF						
		(800)	CC (billet)						
		(600)	STR						
	Usiba	520							
		(350)	DR (HYL III)						
		(520)	EF						
		(520)	LF						
		(520)	CC (billet)						
		(430)	STR						
<u>Grupo Ferroeste</u>									
	CBF João Neiva								
		(260)	BF						

Economy: **BRAZIL (13)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	CBF Viana								
	Ferroeste Industrial	(240)	BF						
	Gusa Nordeste	(90)	BF						
		(360)	BF x 3						
				(1200)	(Unlikely)		2011-12	The commissioning of the 1.2m tpy EAF/billet project in state of Maranhão, initially was slated for March-April of 2011. Full capacity should be reached in 2014.	SBB 04-Mar-11 MB 22-Feb-11
				(1200)	EF				
				(600)	CC (billet)				
	<u>Gv Do Brasil (simec)</u>					P			
	Pindamonhangaba, São Paulo			520	(Firm)		2014	Mexican bar and sections producer Simec started building a major new plant in the Brazilian state of São Paulo through subsidiary GV do Brasil in 2012. The plant is designed for an annual production capacity of 520,000 tpy of billets and 400,000 tpy of bars and wire rod, which can be expanded to 560,000 tpy and is scheduled to begin operation in February or March 2014. The facility will produce rebar and special bar quality (SBQ) steels with a 65-ton electric arc furnace using only scrap.	SBB 03-Jul-12 SBB 22-Nov-12 SBB 23-Dec-13
				(520)	EF				
				(520)	LF				
				(520)	CC (billet)				
				(400)	STR				
					WR				
	<u>Höganäs Brasil Ltda</u>								
	Mogi das Cruzes, São Paulo	(21)	EPIF						
	<u>Inox Tubos SA</u>								
	São Paulo		(stainless steel)			P			
		(18)	ERW						

Economy: **BRAZIL (14)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Itaminas Group</u>	Nova Serrana, Minas Gerais					P		
		(194)	BF					
<u>Mangels Indústria e Comércio Ltda</u>	São Bernardo do Campo, São Paulo					P		
		(24)	Cold					
<u>Marcegaglia do Brasil</u>	Garuva						Marcegaglia do Brasil produces 180,000 tons of electro-welded carbon tubes and 6,000 tons of stainless steel tubes.	HP
		(186)	ERW					
<u>Metalsider Ltda</u>	Betim, Minas Gerais							
		(420)	BF x 7					
<u>Montepino Ltda</u>	Itaquera, São Paulo							
		(90)	STR x 2					
<u>Persico Pizzamiglio SA</u>	Guarulhos, São Paulo					P		
		(300)	ERW					

Economy: **BRAZIL (15)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>SA Tubonal</u>	Volta Redonda, Rio de Janeiro					P		
<u>Sidepar SA</u>	Marabá, Pará	(90)	ERW x 3					
<u>SIDERAMA (Companhia Siderúrgica da Amazônia)</u>	Manaus, Amazonas	(432)	BF x 3					
		80						
			BF					
			LD x 2					
			CC					
			STR					
<u>Siderpa (Siderúrgica Paulino Ltda)</u>	Sete Lagoas							
		(180)	BF x 2					
<u>Siderúrgica Álamo Ltda</u>	Divinópolis, Minas Gerais							
			BF					
<u>Siderúrgica Alterosa S/A</u>	Pará de Minas, Minas Gerais							
		(300)	BF x 3					

Economy: **BRAZIL (16)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Siderúrgica J.L. Aliperti</u>	Água Funda, São Paulo	400				P		
			BF (Charcoal) x 2 EOF BLM STR WR BTM					
<u>Siderúrgica Norte Brasil (Sinobras) (formerly Simara)</u>	Marabá, Pará	300				P		
		(310)	BF					
		(300)	EF					
		(300)	CC (billet)					
		(250)	STR					
<u>Siderúrgica São Cristovão Ltda</u>	Divinópolis							
		(108)	BF (Charcoal)					
<u>Simasul Siderurgia Ltda</u>	Aquidauana, Mato Grosso do Sul							
		(48)	BF					

Economy: **BRAZIL (17)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Sitrel - Siderúrgica Três Lagoas</u>	Três Lagoas				(Firm) (400) STR	2013		Votorantim Siderurgia invested BRL 250 million in Sitrel, a joint venture between the steelmaker and a businessman. The unit, which began commercial production in January 2013, rolls billets from sister company Votorantim Siderurgia Resende in Rio de Janeiro state. Located in the midwestern state of Mato Grosso do Sul, Sitrel is capable of producing 400,000 tpy of rebar for the domestic construction sector.	SBB 19-Dec-12 SBB 28-Aug-13
<u>Tekno SA - Indústria e Comércio</u>	São Paulo	(120)	Ptg						
<u>Ternium</u>	Superporto do Açu, Rio de Janeiro (Siderúrgica Norte Fluminense (SNF))				(2800) (Unlikely) (2800) Steelmkg (2500) CC (slab)			Ternium has decided not to build either a steel mill or, alternatively, an iron ore pelletizing plant at Açu port, which is being built in Brazil's southeastern state of Rio de Janeiro. In December 2013, Brazilian antitrust agency Cade approved the transfer of all shares of the steelmaking project, known as Siderurgica do Norte Fluminense, to logistics company LLX with no restrictions. Ternium planned to spend USD 2.5-3 billion to produce 2.5 million tpy of slab at the location.	SBB 10-Sep-13 SBB 17-Dec-13
<u>ThyssenKrupp CSA Companhia Siderúrgica do Atlântico</u>	Santa Cruz, Rio de Janeiro	5000							
		(5300)	BF x 2						
		(5000)	LD x 2						
		(5000)	CC (slab) x 2						

Economy: **BRAZIL (18)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Tubos Soldados Atlântico Ltda (TSA)</u>	Serra, Espírito Santo	(90)	SAW				Brazilian spiral-welded pipes producer Tubos Soldados Atlântico (TSA) is owned 70% by Germany's Europe GmbH (which is owned 50/50 by Salzgitter and Dillinger), 25% by tubemaker V&M do Brazil and 5% by Interoil, a trading company linked to Brazil's Intermesa group.	HP
<u>Tuper Indústria Metalúrgica SA</u>	Sao Bento do Sul	(150)	ERW					
<u>Iyco Flow Control do Brasil</u>	São Paulo							
			ERW					
<u>Usiminas - Usinas Siderurgicas de Minas Gerais SA</u>	Cubatão, São Paulo (formerly Cosipa)	4500			(Firm)	P	2012 Usiminas began commercial operations of its BRL 2.5 billion Cubatão hot strip mill in November 2012. The new line has a rolling capacity of 2.3m tpy and allows the company to supply higher value-added products to the domestic and international markets.	SBB 01-Dec-11 SBB 01-Nov-12
		(4540)	BF x 2	(2300)	Hot			
		(4500)	LD x 3					
		(1650)	LF					
		(4800)	CC (slab) x 4					
		(1020)	Plate					
		(2300)	Hot					
		(1200)	Cold					

Economy: **BRAZIL (19)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
	Ipatinga, Minas Gerais	4700						
		(4355)	BF x 3					
		(4700)	LD x 5					
		(2000)	LF x 2					
		(6200)	CC (slab) x 4					
		(1000)	Plate					
		(3520)	Hot					
		(2200)	Cold x 2					
		(360)	EGL					
	Unigal Ltda (Usiminas & Nippon Steel JV)	(1030)	HGL x 2				Usiminas commissioned its second hot-dipped galvanizing line at Unigal – a Brazilian joint venture with Nippon Steel – aimed at competing with domestic producers CSN and ArcelorMittal to lift domestic market share. The project, pegged at BRL 914m, increased Unigal's HDG capacity from 550,000 tpy to 1m tpy.	SBB 19-May-11 HP
	Vallourec & Mannesmann Tubes - V & M do Brasil SA							
	Belo Horizonte, Minas Gerais	610						
		(600)	BF x 2					
		(600)	LD					
		(550)	LF					
		(610)	CC (round)					
		(600)	SMLS x 2					
	Serra, Espirito Santo	(90)	SAW					

Economy: **BRAZIL (20)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Vallourec & Sumitomo Tubos do Brasil Ltda (VSB)</u>	Jeceaba, Minas Gerais	1050				P		The new steelworks of Brazilian seamless tube producer Vallourec & Sumitomo do Brasil (VSB) was officially commissioned in Jeceaba, Minas Gerais state. The BRL 5bn joint venture between France's Vallourec and Japan's Sumitomo Metals aims to meet demand from the international oil and gas market. It has an annual capacity of 1m tpy of crude steel and 600,000 tpy of seamless tubes. The tube output will be equally divided between the parent companies. Around 300,000 tpy of the crude steel production will be directed to other Vallourec plants.	HP SBB 02-Sep-11
<u>VDL Siderurgia Ltda</u>	Itabirito, Minas Gerais	80				P		VDL Siderurgia produces steelmaking/foundry pig iron and cast products.	
		(90)	BF EF IF x 2						
<u>Vetorial Siderurgia</u>	Campo Grande	(108)	BF					In 2009, Brazilian iron ore miner MMX concluded the sale of the two pig iron plants it owned in Brazil and Bolivia to the Brazilian pig iron maker Vetorial Siderurgia for a total of BRL 126 million. Vetorial paid BRL 100 million for a 400,000 tpy plant located in Corumbá city, in Brazil's mid-western state of Mato Grosso do Sul. MMX Corumbá Mineração, a subsidiary of MMX, entered into a 20-year iron ore supply agreement with Vetorial in a tonnage sufficient to guarantee production of up to 400,000 tpy of pig iron.	MB 08-Sep-09
	Corumbá	(396)	BF x 2						

Economy: **BRAZIL (21)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Ribas do Rio Pardo	(240)	BF					
<u>Viena Siderúrgica SA</u>	Açailândia, Maranhão	(340)	BF x 4			P		
<u>Villares Metals SA</u>	Sumaré, São Paulo	90	(special steel) (90) EF x 2 IF (50) LF (50) CC (billet) (80) STR			P		
<u>Votorantim Siderurgia</u>	Barra Mansa, Rio de Janeiro	750	(700) EF x 2 (350) LF (700) CC (billet) (690) STR x 2 WR			P		
	Resende, Rio de Janeiro	1000	(1000) EF (1000) LF (1000) CC (billet) (750) STR					

Economy: **BRAZIL (22)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Siderúrgica de Três Lagoas (SitreI)					(Firm)	2013	Votorantim Siderurgia's new long rolling mill, Siderúrgica Três Lagoas (SitreI), was scheduled for commercial production in mid-January 2013. The plant, located in the Midwestern state of Mato Grosso do Sul, is expected to produce 400,000 tpy of 8-25mm diameter rebar for the domestic construction sector.	SBB 19-Dec-12 SBB 21-Nov-11	
<u>Wuhan I&S (Wugang) & MMX JV</u>	Integrated steel mill project (Açu Super Port Industrial District)			(5000)	(Unlikely)			Wuhan Iron & Steel Group (Wugang) had suspended its 5 million tpy integrated steelworks project in the Açu Port, Brazil, jointly developed with Brazilian iron ore and steel group EBX. The project had made little progress, in part because of high infrastructure investment costs, including for a delayed iron ore railway. The two companies signed an MoU in 2009 to set up the joint venture, which would have seen Wugang taking a 70% stake and an EBX subsidiary a 30% stake in a slab plant and later a heavy plate mill.	SBB 12-Nov-12 SBB 04-Jul-12

COLOMBIA

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Acerías de Caldas SA (Acasa)</u>	Manizales	130				P			
		(130)	EF CC STR						
<u>Acerías Paz del Río (Votorantim Siderurgia)</u>	Belencito, Boyacá	450			(250) (Unlikely)	P	2012	Colombia's flats and longs producing integrated steelmaker Acerías Paz del Río (APR) was planning a few years ago to increase its capacity to 700,000 tpy by 2012, from a 450,000 tpy level. APR is controlled by Brazil's Votorantim Siderurgia. Paz del Río produces both flats and longs and has around 450,000 tpy of melting capacity. It also operates iron ore and coal mines.	SBB 24-Sep-09 SBB 04-Aug-09
		(342)	BF		(250) Steelmkg				
		(340)	LD x 2						
		(110)	EF LF CC (billet)						
		(700)	SLM						
		(230)	BTM						
		(165)	STR						
		(225)	WR						
		(400)	Hot						
<u>Acesco - Acerías de Colombia SA</u>	Malambo, Atlántico					P			
		(250)	Cold						
		(225)	HGL						
<u>Colmena - Consorcio Metalurgico Nacional SA</u>	Bogota D.C.								
		(48)	ERW						

Economy: **COLOMBIA (2)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Diacon SA (Brazil's Gerdau group)</u>						P		
LASA - Laminados Andinos SA (Boyacá)		(110)	STR					
Sideboyaca - Siderúrgica de Boyacá SA		140						
		(140)	EF LF					
		(300)	CC (billet)					
		(160)	STR x 2					
		80						
Sidelcaribe - Siderúrgica del Caribe (Cartagena)		(80)	EF STR					
Sidelpa - Siderúrgica del Pacífico SA							Sidelpa's meltshop in Yumbo, in Colombia's Valle del Cauca, was restarted in early 2012 after being idle for almost three years.	MB 07-May-12
Sidemuna - Siderúrgica del Muña SA		(120)	EF LF CC (billet) STR x 2					
		130						
		(130)	EF					
		(130)	LF					
		(130)	CC (billet)					
		(120)	STR					

Economy: **COLOMBIA (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
Simesa - Siderúrgica de Medellín SA		150						
		(150)	EF LF					
		(150)	CC (billet) WR					
		(17)	ERW					
	Tocancipá (formerly Compañía Siderúrgica de la Sabana)	250						
		(250)	EF					
<u>Fábrica Nacional De Autopartes</u>								
	Acopi							
		(25)	ERW					
<u>Holasa - Hojalata y Laminados SA</u>								
	Medellín							
		(80)	Tin Plate					
<u>Sidenal SA (Siderúrgica Nacional)</u>								
	Boyacá	400						
		(400)	EF x 3 CC (billet) STR					

Economy: **COLOMBIA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Sidoc SA (Siderúrgica de Occidente)</u>	Santiago de Cali	180						
		(180)	EF					
		(180)	CC (billet)					
		(180)	STR					

Economy: **PERU**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Aceros Arequipa</u>	Arequipa	(100) 650	STR	(550)	(550) (Unlikely)	2012		Aceros Arequipa had plans to expand capacity to 1.2 million tpy. The expansion plan was already approved, but it was frozen because of the world economic crisis and the company had been waiting for better market conditions before it starts construction works.	MB 01-Mar-11 MB 27-Oct-09 SBB 19-Jul-11
	Pisco	(80) (650)	DR x 2 EF LF	(550) (650)	EF STR			In July 2011, the construction of a new rolling mill with a capacity of 650,000 tpy was started, and was scheduled to be finished during the second quarter of 2012. The investment was estimated to cost USD 97m, and the facility will be supplied by the Italian plant maker Danieli.	
<u>Acersa - Industria Tubular del Acero SA</u>	Lima	(120)	ERW						P
<u>Others</u>		70						Small electric furnace producers.	

Economy: **PERU (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>SiderPerú (Gerdau Group)</u>	Chimbote	560				P		
		(400)	BF				Brazil's Gerdau was reported to have been investing USD 120m at its Peruvian mill Siderperú during the 2011-2013 period.	SBB 11-Feb-11
		(100)	DR (SLRN) x 3 LD x 2 CC STR Plate Hot Cold Tin Plate (36) HGL (250) EF					
<u>SIDERSA (Siderúrgica San Antonio)</u>						P		
<u>Tubos y Perfiles Metálicos SA (Tupemesa)</u>	Lima	(24)	WR STR					
		(24)	ERW					

Economy: **VENEZUELA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Aceros del Alba</u>	<u>(Cuban-Venezuelian stainless JV)</u> Libertador, Monagas			150 (Possible) (150)	(stainless steel) Steelmkg	S	2012	The project named Aceros del Alba is an initiative by the Venezuelan government to build a stainless mill in partnership with the Cuban government. The plant, in the state of Monagas, will process 150,000 tpy. However, the project's original plans were for 500,000 tpy.	SBB 16-May-11
<u>CA Conduven</u>	Edo Aragua					P			
<u>Comsigua</u>	<u>(Complejo Siderúrgico de Guayana)</u> Matanzas	(270)	ERW x 8			S		The government took complete control of Comsigua. Comsigua is controlled by a consortium of Japanese companies comprising Kobe Steel, Marubeni Corp, Sojitz Corp and Mitsui & Co, together with Tenaris and FMO itself.	MB 26-Mar-10
<u>CVG Ferrominera Orinoco CA</u>	Ciudad Piar	(1400)	DR (MIDREX)		(Unlikely) (320) BF (Charcoal)	S	2009-10	Venezuela's state-owned iron ore pellet producer CVG Ferrominera Orinoco (FMO) plans to start up the country's first merchant pig iron plant. The plant will have two blast furnaces with a total capacity of 320,000 tpy in the city of Ciudad Piar. Another plant, with a 120,000 tpy capability, will be built later in the city of El Pao, but future plants will all be constructed in Ciudad Piar.	SBB 28-Oct-08
	El Pao				(Unlikely) (120) BF (Charcoal)		2009-10		

Economy: **VENEZUELA (2)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	New Steel Plant			(1500)	(Unlikely) BF			Corporacion Venezolana de Guayana (CVG), which includes iron ore producer Ferrominera Orinoco, presented some details of the project to the national assembly. The steel plant would have a capacity of 1.5m tpy of liquid steel.	SBB 26-Oct-10
	Puerto Ordaz			(Unlikely)			2009-10		SBB 06-Jun-08 SBB 06-Jun-07
		(1000)	DR (MIDREX)	(400)	DR (MIDREX)				
<u>EBS Constructora Nacional de Rieles</u>	New rail mill project			(Possible) (750)	(Possible) STR	S	2012	The Venezuelan state-owned company EPS Rieles y Perfiles was created to manage the major rail mill project. It had been investing in a 750,000 tpy rolling mill.	SBB 11-Jan-10
<u>EBS Siderúrgica Nacional</u>	New state-owned steel mill project (Ciudad Piar)			1550	(Possible)	S	2013	The New Venezuelan steel mill Siderúrgica Nacional (SN) is expected to boost national liquid steel capacity by 1.5m tpy to 6.5m tpy. The state-owned mill will produce up to 1.4m t of slabs that will be converted into 850,000 t of hotrolled coil and 350,000 t of heavy plate – a product not currently made by sole domestic flats producer Sidor. The project aims to meet domestic demand from the marine, construction and infrastructure industries.	SBB 21-Oct-11 MB 10-Mar-09 SBB 10-Mar-09
<u>EBS Tubos sin Costura</u>	New seamless pipe mill project			(Firm) (465)	(Firm) SMLS	S	2011-12	Venezuelan state-owned tube maker Empresa Básica de Tubos sin Costura (EBS) has built a new mill for seamless tubes in Puerto Ordaz. With a 465,000 tpy capacity, this new line will enable EBS to produce mainly seamless oil country tubular goods (OCTG) for oil and gas applications.	SBB 10-Nov-10

Economy: **VENEZUELA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Grupo Siderpro CA</u>	Proacero							
	Sideroca		ERW					
<u>Industrias Metalúrgicas Rex CA</u>	Valencia, Carabobo		ERW					
		(10)	ERW x 6					
<u>International Briquettes Holding (IBH) (Subsidiary of Sivensa SA)</u>	Operaciones RDI (formerly Fior)	(400)	DR (Fior)				Operaciones RDI (formerly Fior), with a capacity of 400,000 tpy, uses iron ore fines as raw material, instead of pellets and lumps. The company is engaged in the production of pre-reduced hot briquetted iron at its Venprecar plant, while its Vicson plant makes wire and wire products for the manufacturing sectors. The company is based in Caracas.	HP
	Orinoco Iron							
	Venprecar, Matanzas	(2200)	DR (Finmet) x 4					
<u>Productos de Acero Lamigal CA</u>	Valencia, Estado Carabobo	(815)	DR (MIDREX)					
		(120)	HGL					

Economy: **VENEZUELA (4)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
SIDETUR (Siderúrgica del Turbio SA) (Subsidiary of SivenSA SA)								
	Planta Antimano							P
	Planta Barquisimeto	(340) 375	STR x 2					
		(375)	EF					
		(140)	CC (billet)					
	Planta Casima	530	STR					
		(530)	EF					
			CC (billet)					
			LF					
	Planta Guarenas	(75)	STR					
	Planta Lara (formerly Perflisa)	(60)	STR					

Economy: **VENEZUELA (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>SIDOR (CVG Siderúrgica del Orinoco CA)</u>								
	Matanzas	5000			(Unlikely)	S	Following meetings between the Venezuelan government and the Metallurgical Corp of China (MCC), steel producer Sidor previously confirmed its plans to build an additional electric arc furnace at its works in Venezuela.	SBB 18-Mar-11
		(4100)	DR (MIDREX)					
		(700)	DR (HYL)		EF			
		(5000)	EF x 8		CC (billet)			
			LF		STR			
		(1400)	CC (billet) x 2					
		(3600)	CC (slab) x 3					
		(2800)	Hot					
		(1700)	Cold					
		(200)	Tin plate					
		(460)	STR					
		(600)	WR					
<u>Sizuca (Siderúrgica Zuliana CA) (Gerdau Group)</u>						P		
	Estado Zulia	300						
		(300)	EF					
			LF					
		(300)	CC (billet)					
		(200)	STR					
<u>Tavsa (Tubos de Acero de Venezuela SA)</u>								
	Puerto Ordaz							
		(80)	SMLS					
<u>Univensa (Unión Industrial Venezolana SA)</u>								
	Barquisimeto, Lara							
		(125)	ERW					

Economy: **OTHERS**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
BOLIVIA									
<u>EBX Siderúrgica de Bolivia SA</u>									
	Puerto Suarez, German Busch			(400)	(Unlikely) BF x 2	P		Brazilian miner MMX - owned by EBX group - concluded the sale of its pig iron facilities in Corumbá, Mato Grosso do Sul state, to Vetorial Siderurgia, a major domestic ironmaking group, several years ago. The two companies signed an initial agreement in June 2009. The transaction was valued at USD 54.1m, but Vetorial has additionally acquired an EBX pig iron plant in Bolivia. Years ago, EBX stopped building a plant in Bolivia due to environmental concerns and problems with the local government, and work on the plant did not resume.	SBB 09-Sep-09 HP 08-Sep-08
	<u>El Mutún iron and steel project (Bolivian government & JSPL JV)</u>					S/P			
	El Mutún project			(1700)	(Unlikely)		2014	Jindal Steel Bolivia's (JSB) new DRI plant at the El Mutún deposit is expected to begin production in November 2014. The USD 129.5m plant will be built by US company Midrex Technologies and produce 2m tpy of DRI that will feed the neighboring steel plant. In 2007, the company secured the development rights to 20bn t of iron ore from El Mutún mines, one of the world's single biggest iron ore deposits. The 40-year contract includes the setting up of an integrated 1.7m tpy steel plant, a 6m tpy sponge iron unit and 10m tpy iron ore pellet plant in Bolivia, with total investment of around USD 2.1bn.	SBB 05-May-11 SBB 11-Oct-11 SBB 06-Apr-12
COSTA RICA									
<u>Galvatica SA (Colombia's Acesco Group)</u>						P			
	La Ceiba de Orotina	(200)	HGL						

Economy: **OTHERS (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Laminadora Costarricense SA</u>						P		
		(400)	STR					
<u>Metalto SA (Colombia's Acesco Group)</u>						P		
		(120)	HGL P'g					
<u>Tubotico SA (Colombia's Acesco Group)</u>						P		
	La Ceiba de Orofina	(200)	ERW					
CUBA								
<u>ACINOX SA</u>						S		
	Acinox Tunas	150	(stainless steel)					
		(150)	EF LF CC STR WR					
	Antillana de Aceros	350						
		(350)	EF x 2 LF x 3 CC (billet) x 4 BTM WR STR					

Economy: **OTHERS (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
DOMINICAN REPUBLIC									
<u>Industrias Nacionales C por A (Inca)</u>									
	La Isabela & Autopista Duarte	(800)	STR WR					A few years ago, Brazilian steelmaker Gerdau commissioned a new rolling mill at Industrias Nacionales (Inca) in the Dominican Republic, which has doubled the plant's long capacity to 800,000 tpy.	SBB 05-Jul-11
<u>METALDOM</u>									
	Santo Domingo	400				P			
		(400)	EF x 2 CC (billet)						
		(500)	STR x 2						
		(15)	WR						
		(8)	ERW						
ECUADOR									
<u>Acería del Ecuador CA (Adelca)</u>									
	Alóag	250							
		(250)	EF						
		(250)	STR						
<u>Andec - Funasa (Acerías Nacionales del Ecuador - Fundiciones Nacionales)</u>									
	Guayaquil	200				S/P			
		(200)	EF						
		(250)	LF STR						

Economy: **OTHERS (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	New Steel Plant				(Unlikely)		2015	Leading Ecuadorian longs producer Andec – part of the Holding Dine group of companies – plans to invest USD 20m in two new plants that will produce ready-made reinforced steel columns for the country's booming construction sector. The firm says the new plants, which will also make other long steel products, will be located near its existing facilities south of Guayaquil and will commence operation by 2015. The investment is in response to the government's major house building program, rising living standards and the growing availability of credit that is encouraging people to buy their own homes.	SBB 28-Sep-11
<u>Novacero</u>	Lazo, Cotopaxi region	120			Steelmkg				
		(120)	EF						
		(120)	STR						
<u>Talleres Metalúrgicos 21 (Talme) SA</u>	Guayaquil								
		(12)	STR x 2						
<u>EL SALVADOR</u>									
<u>Corinca SA de CV (Corporación Industrial Centroamericana)</u>									P
	La Libertad	250							
		(250)	EF						
			CC (billet)						
			STR						

Economy: **OTHERS (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>SICEPASA (Siderúrgica Centroamericana del Pacífico SA)</u>	Sonsonate	100				P		
		(100)	EF CC WR STR					
<u>GUA TEMALA</u>								
<u>Corporación Aceros de Guatemala</u>								
Aceros de Guatemala SA			STR WR					
	Intupersa							
	Sidegua - Siderúrgica de Guatemala SA	500	ERW			P		
		(500)	EF CC (billet)					
<u>Industria Galvanizadora SA (Subsidiary of Ternium)</u>	Villa Nueva					P		
		(125)	HGL x 2					
<u>Tubac SA (Subsidiary of Duferco)</u>						P		
		(70)	ERW x 2					

Economy: **OTHERS (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
PANAMA								
<u>Acero Panama SA (Acepa)</u>	El Dorado, Panama							
		(90)	STR x 2					
PARAGUAY								
<u>Acepar (Aceros del Paraguay SA)</u>	Villa Hayes	180				P		
		(190)	BF (Charcoal) x 2					
		(180)	LD x 2					
		(150)	CC (billet) x 2					
			STR					
<u>Aceros Industrializados SA (Acerin)</u>	Villeta							
		(48)	STR					
PUERTO RICO								
<u>INSID (Industrial Siderúrgica Inc)</u>	Bavamon	110						
		(110)	EF x 2					
			CC					
			STR					

Economy: **OTHERS (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
TRINIDAD TOBAGO									
<u>ArcelorMittal Point Lisas Ltd</u>	Point Lisas Industrial Estate	1000				P			
		(2700)	DR (MIDREX) x 3						
		(1000)	EF x 2						
			LF x 2						
		(1000)	CC (billet) x 2						
		(700)	WR						
<u>Central Trinidad Steel Ltd (Centrin_)</u>						P			
	Point Lisa Industrial Estate								
		(120)	STR						
<u>Nu-Iron Unlimited (Nucor_)</u>						P			
	Point Lisas								
		(1800)	DR (MIDREX)						
<u>The Circored HBI plant (formerly Cliffs & Associates_)</u>						P			
	Point Lisas								
URUGUAY									
		(600)	DR						
<u>Gerdau Laisa SA</u>						P			
	Montevideo	100							
		(100)	EF x 2						
		(80)	CC (billet)						
			STR						

MIDDLE EAST

Thousand tonnes per year

Economy	Nominal capacity							Crude steel production 2011	Apparent consumption 2011
	Exist 2011	Increase to 2014			Capacity in 2014				
	Firm	Possible	Unlikely	Mean	Low	High			
IRAN	8 910	6 450	23 380	31 285	28 060	34 510	13 197	21 379	
IRAQ	1 980	500	3 860	3 018	2 768	3 268	n.a.	n.a.	
JORDAN	120	0	45	785	785	785	150	1 294	
QATAR	680	0	750	2 270	2 270	2 270	2 010	1 694	
SAUDI ARABIA	2 900	1 300	6 200	11 470	10 820	12 120	5 275	11 065	
SYRIA	1 768	0	1 550	1 838	1 838	1 838	70	2 095	
UNITED ARAB EMIRATES	0	1 400	0	4 019	3 319	4 719	2 000	6 819	
OTHERS	3 570	0	100	5 220	5 220	5 220	300	6 933	
TOTAL	19 928	9 650	35 885	59 905	55 080	64 730	23 002	51 279	

Note : Apparent consumption is in terms of crude steel.

Sources : OECD (for capacity) and the World Steel Association (for production and consumption)

Economy: **IRAN**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Ahwaz Pipe Mills (NISCO Group)</u>	Ahwaz	(180) (525)	ERW x 2 SAW			S			
<u>Ahwaz Rolling & Pipe Mills Co (Arpco)</u>	Ahwaz	(600) (25) (80)	Hot HGL ERW x 2			S/P		A few years ago, the Iranian government had plans to take back control of Ahwaz Rolling & Pipe Mills Company (Arpco), a strip and pipe producer, from private management. Private investors owned 55% of Arpco and 45% belonged to the state mines and metal holding company Imidro.	SBB 14-Dec-09
<u>Aligoodarz Steel Co</u>	Lorestan	(100)	STR						
<u>AmirKabir Steel Co</u>	Rasht	(500)	STR			P			
<u>Ardebil Steel Co</u>	Ardebil	(500)	STR			P			

Economy: **IRAN (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Arfa Iron & Steel Co</u>	Ardakan, Yazd			800 (Firm)	800 (Firm)	S	2013	Iranian billet producer Arfa Iron & Steel plans to ramp up to its full production capacity of 800,000 tpy after commissioning its electric arc furnace-based plant in February 2013. The company produces 200mm square billet that it sells mainly to privately-owned, small rolling mills in Iran. Its 800,000 tpy EAF is fed from Arfa's direct reduced iron plant of the same capacity, which has been operational for two years and hitherto sold its output on the merchant market.	SBB 10-Jan-14 SBB 18-Aug-11
<u>Arian Steel Co</u>	Eshtehard	(600)	STR			P			
<u>Ariazob Steel</u>	Alborz	(400)	STR					Iran's Ariazob Steel has commissioned its new rolling mill. The mill has rolling capacity of 400,000 tpy of rebar and plain round bar of 8-32mm diameters.	MB 12-Mar-12
<u>Arpco Steel</u>	Ahwaz								
<u>Asia Iron Melting Co</u>	Tehran	80	Hot ERW SMLS			P			
		(80) (80)	IF x 2 CC (billet)						

Economy: **IRAN (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Avangan Co</u>	Arak					P			
<u>Azərbayjan Steel Co (NISCO Group)</u>	Miyaneh	(100)	STR			S			
				(800) (Unlikely)			2011-12	A few years ago, Azarbayjan Steel was constructing a steel plant with a capacity of 800,000 tpy. The company also plans to expand its rolling capacity to 1 million tpy.	ISWW NET MB 14-Aug-09
		(550)	STR	(800) DR (800) EF (450) STR					
<u>Bafgh Steel</u>	Bafgh, Yazd			800 (Possible)		S			
				(1000) DR (800) EF (800) CC (billet)			2012	Bafgh Steel is one of eight state-owned provincial steel plants – each one with a 1 million tpy capacity – located close to Bafgh city, Yazd province, a region containing a plethora of iron ore mines, including Chador Malu and Iran Central Iron Ore. Bafgh Steel comprises a 1 million tpy direct reduction iron making plant and a steelmaking plant. Iranian Mines & Mining Industries Development & Renovation Organization (Imidro) plans to sell four of the eight new steelworks currently under construction including Bafgh Steel to private investors.	MB 07-Nov-08 NET SBB 27-Apr-11
<u>Baft Steel</u>	Billet plant project in Kerman			800 (Firm)		S			
				(800) DR (800) EF (800) CC (billet)			2014	Eight Iranian steelworks currently under construction by National Iranian Steel Company (Nisco) are to be financed by a foreign investor. Baft Steel is one of the steel projects and the company will have a billet capacity of 800,000 tpy. At the beginning of January 2013, the construction project reached 66% of completion.	SBB 26-Sep-11 SBB 03-Jan-13

Economy: **IRAN (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Bardsir Steel</u>	Bardsir			1000 (Possible) (1000) DR (1000) EF (1000) CC (billet)		2013-14	New Iranian steel plant Bardsir Steel is expected to be put into operation in early 2013. The plant will have a 1 million tpy direct reduced iron (DRI) module and a 1 million tpy melt shop. Construction of the DRI plant and the meltshop already has started.	SO 26-Sep-11
<u>Bisoton Steel Complex</u>	Kermanshah			400 (Possible) (400) DR (SLRN) EF x 2 CC (billet)		P 2012	Iran's Bisoton Steel Complex project is comprised of a new 400,000 tpy meltshop.	SO 12-Feb-10 MB 15-Feb-10
<u>Boyerahmad Steel</u>	Yasouj	120 (120) (120)	IF x 2 LF CC (billet)	(120) (Unlikely) (300) DR (120) Steelmkg (240) Rolling		P	Boyerahmad Steel intends to double its capacity to 240,000 tpy by installing further equipment. It is also studying the feasibility of setting up a rolling mill with 240,000 tpy capacity and a direct reduced iron (DRI) module with capacity of 300,000 tpy.	MB 29-Jul-08
<u>Chaharmahal Bakhtiari Auto Sheet Co (NISCO Group)</u>	Shahrekord	(400)	HGL			S	Iranian flat steel producer Chaharmahal Bakhtiari Auto Sheet Co. (CBASCO) is the only Iranian steel mill capable of producing HDG for the automotive industry. The steelmaker has an annual capacity of 400,000 tpy of HDG.	
<u>Chaharmahal-va-Bakhtiari steel plant project</u>	Shahrekord			(800) (Unlikely) DR (800) EF (800) CC (slab)		2011-12	Iran's Chaharmahal va Bakhtiari's direct reduced iron plant will have a 1 million tpy of slab capacity comprising two steel and iron making plants.	MB 19-May-09 NET

Economy: **IRAN (5)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>ESCO - Esfahan Steel Co. (NISCO Group)</u>								
	Esfahan	3200		(1800) (Unlikely)		S	Iran's parliament is launching an investigation into delays in steelmaker Esfahan Steel Company (Esco)'s capacity expansion projects. The company planned to install a fourth blast furnace and increase its crude steel capacity from 3.2 million metric tpy to 5 million tpy. About 85% of the investment required for the expansion project would be financed by Chinese companies. It is reported that the company is unable to complete its projects because of a cash shortage and lack of technology supply.	SBB 29-Jul-12
		(3400)	BF x 3	(1600) BF				SBB 07-Feb-13
		(3200)	LD x 3	(1800) Steelmkg				SBB 08-Mar-11
			LF					
		(2800)	CC (billet) x 6					
		(850)	CC (bloom) x 2					
		(1550)	STR x 4					
		(350)	WR					
	Rail mill Project				(Unlikely)		Esfahan Steel Company (Esco) has signed a memorandum of understanding to build a 250,000 tpy capacity rail mill in order to eliminate the need for rail imports into Iran.	SBB 07-May-13
<u>Esfahan's Mobarakeh Steel Co. (NISCO Group)</u>								
	Hormozgan Steel	1500		(1500) (Unlikely)		S	Iranian slab producer Hormozgan Steel's planned increase in capacity to 3 million tpy will be completed by 2015. The company will install a steelmaking plant with two electric arc furnaces, two ladle furnaces and a two-strand continuous slab caster. The firm's expansion is part of Mobarakeh Steel's plans to increase the group's crude steel capacity by 2015 to 11 million tpy from the current 6.9 million tpy.	SBB 31-Oct-13
		(1650)	DR (MIDREX) x 2	(1500) EF x 2				SBB 09-Sep-11
		(1500)	EF x 2	(1500) CC (slab) x 2				
		(1500)	LF x 2					
		(1500)	CC (slab)					

Economy: **IRAN (6)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Mobarakeh, Esfahan	5440	DR (MIDREX) x 6 EF x 8 CC (slab) x 4 Hot Cold x 2 HGL Tin plate Plg	1200 (Firm) (3000) (1200) (1800) (4500)	DR x 2 EF CC (slab) Hot	2012-14	2012-14	Mobarakeh Steel has established two 1.5 million direct reduced iron mega-modules, the first of which was scheduled for formal operation in May 2012 while the second was reported to be in the final stages of construction. The company finished revamping four electric arc furnaces, which delivered an extra 300,000 tpy capacity for each furnace and revamped four other electric arc furnaces in 2012. It is also building a 1.8 million tpy continuous casting machine and has plans for a new ladle furnace and a 4.5 million-tpy hot rolling mill. Mobarakeh Steel plans to achieve a total capacity of 12 million tpy by March 2015 from its own plant and those of Hormozgan Steel and Saba.	MB 25-Apr-12 MB 04-Jul-12 MB 14-Mar-12
	Saba Steel Complex, Esfahan	700		(700) (Unlikely)		2015	2015	Iranian flat steelmaker Saba Steel, subsidiary of Mobarakeh Steel Company, inaugurated a new 1.5 million tpy direct reduced iron (DRI) module in December 2012. The expansion project will see the installation of a new electric arc furnace, ladle furnace and a thin slab caster. The company also intends to increase its hot rolled coil capacity to 1.6m tpy in the next few years.	SBB 18-Dec-12 SBB 09-Jul-12
	<u>Farokhshahr Steel Industry Co (FSI)</u> Shahr-e-kord								P
	<u>Ferro Gilan Complex Co</u> Kaavian Steel Co	(150)	Tin plate						P
		(840)	Plate						

Economy: **IRAN (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Rasht								
		(2000)	Hot						
		(500)	Cold						
Semnan Rolling & Tube Mills Co		(500)	HGL						
<u>Gambron Steel</u>	Bandar Abbas			(2000) (Unlikely)				Iran's Gambron Steel's new bar rolling mill has a 500,000 tpy capacity and is capable of producing several products, including debar, plain round bar and angles. Gambron Steel is also planning the construction of a steelmaking plant. Feasibility studies for setting up a steel plant with three blast furnaces and a capacity of 2 million tpy crude steel have been completed.	MB 05-Aug-09
				(2000) BF x 3					
				(2000) LD					
				(500) STR					
<u>Ghaenat steel (NISCO Group)</u>	Khorasan			800 (Firm)		2014		Ghaenat steel is constructing a steelworks, which consists of a DRI module and meltshop with billet caster, with a capacity of 800,000 tpy of crude steel. The company planned to complete construction of its DRI module by March 2013 and the new meltshop is scheduled for completion in March 2014.	SBB 26-Sep-11 MB 31-Jul-12
				(800) DR					
				(800) EF					
				(800) CC (billet)					
<u>Gol-e-Gohar</u>	Steel mill project (Kerman)			(1600) (Unlikely)		2013		Iranian iron ore miner Gol-e-Gohar plans to build a steel plant with a 1.6 million tpy crude steel capacity that will produce billets. The project will comprise a Midrex direct reduced iron module with a 1.6 million tpy capacity and two steelmaking plants (electric arc furnaces), each one with a 800,000 tpy capacity.	MB 16-Jun-09 NET
				(1600) DR (MIDREX)					
				(1600) EF x 2					

Economy: **IRAN (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Hirbod Steel</u>	Zarandiyeh			(500) STR (500) ERW	(Possible)	2013	Hirbod Steel plans to install a pipe and hollow sections mill.	NET 26-Sep-12
<u>IASCO - Iran Alloy Steel Co. (NISCO Group)</u>						S		
	Mini-mill project in Yazd			650 (Possible)		2014	Iranian special steel producer Iran Alloy Steel plans to construct a new seamless pipe mill. A consortium formed of Danieli and another company has signed a contract to construct the new facility named Yazd 1. The capacity of the new mill will be about 525,000 tpy. The company also is implementing a project to add 650,000 tpy of alloy steel to its production capacity including a new melt shop and a caster.	SBB 21-Apr-11 SBB 10-Apr-12 SBB 26-Jan-10
	Yazd	200 (200) EF x 2 (180) LF x 2 (200) CC (bloom) (345) STR x 2	(special steel) EF x 2 LF x 2 CC (bloom) STR x 2	160 (Firm) (160) EF LF CC (billet)		2012	Iran Alloy Steel Co (Iasco) will increase capacity to 360,000 tpy up from 200,000 tpy. Iasco has already signed an engineering, procurement and construction contract with a consortium of Iranian firms including Mika Sazeh Co and the Tamkar Industrial Group for the expansion work. The project comprises a third 40-tonne electric arc furnace, a 40-tonne ladle furnace, a degassing plant and a four-strand continuous caster for the production of 130-180mm square billet, as well as upgrading of other utilities.	MB 22-Jan-12 MB 04-Nov-11

Economy: **IRAN (9)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Iran National Steel Industrial Group - INSIG</u>									
	Ahwaz	630			(Possible)	S	2012	Iran National Steel Industrial Group (INSIG) was adding 800,000 tpy of billet capacity by 2012, as well as a 1 million tpy rebar mill.	MB 26-May-11
		(630)	EF x 3		(800) BTM				
		(450)	LF		(1000) STR				
		(700)	CC (billet) x 2						
		(550)	STR						
		(120)	SMLS						
	New steel making plant				(400) (Unlikely)			Iran National Steel Industrial Group (INSIG) plans to construct a new steel making plant with a 400,000 tpy capacity. Construction of the project started in June 2011.	SBB 20-Jun-11
					(400) Steelmkg				
<u>Iran Spiral Co</u>									
	Isfahan					P			
<u>Iranian Ghadir Iron & Steel Co (IGISCO)</u>									
	Yazd	800							
		(120)	SAW x 2						
		(800)	DR (MIDREX)						
		(800)	EF						
		(800)	CC (billet)						
<u>Isfahan Alloy Steel Complex</u>									
	Mobarakeh	30				S			
		(30)	(special steel)						
		(30)	EF						
		(30)	STR						
			Cold						

Economy: **IRAN (10)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Jafari Industrial Group</u>									
	Jafari Alloy Steel Plant	450				P			
		(450)	EF						
		(450)	STR						
	Malayer Alloy Steel	100							
		(100)	IF x 2						
			STR						
			WR						
<u>Jahan Foulad Gharb Complex</u>									
	Kermanshah	(300)	STR					Jahan Foulad is a 300,000 tpy re-roller with IPE section and rebar production lines.	SBB 06-Jun-11
<u>Jonob Steel</u>									
	Bandar Abbas	200				P		Jonob Steel Complex is 51-percent owned by Iranian entrepreneur Donyanoor. The rest of the company is owned by Indian businessmen Shiraz Sabanal Jeena (who has a 40-percent stake) and Hasnain Salim Virani (9 percent).	
<u>Kalup Co</u>									
	Saveh	(240)	ERW			P			
<u>Kashan Amir Kabir Steel Co. (formerly Fajr Sepahan Galvanizing Industries.)</u>									
	Kashan	(250)	Cold	(1600)	Hot x 2			Kashan Amir Kabir Steel plans to build a hot rolling mill of 1.6 million tpy capacity, implemented through two phases of 800,000 tpy capacity, another galvanizing line of 250,000 tpy capacity and a pre-painted galvanizing line of 100,000 tpy capacity.	MB 10-Aug-09
		(100)	HGL	(250)	HGL				
				(100)	Ptg				

Economy: **IRAN (11)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Kavir Steel Complex</u>	Aran and Bidgol city	(350) STR (150) WR				P			
<u>Kerman Steel Industries</u>	near Kerman city	(270) STR		(150) IF	(150) (Unlikely)	S/P		In 2010, a rolling mill with a capacity of 120,000 tpy was officially commissioned at Kerman Steel. On the same day, Kerman Steel also held a formal ceremony to mark the start of construction of a melt shop which will have a capacity of 150,000 tpy.	NET 27-May-10 MB 05-Jan-10 MB 27-Jun-08
	New billet plant project in Kerman			(1500) (Unlikely)			2015	A new 1.5 million tpy billet plant under the name of Kerman Steel is being constructed in Iran by Middle East Mines & Mineral Industries Development Holding Company (MIDHCO). The new project also consists of a direct reduced iron plant that will source iron ore from nearby Sirjan and Jalalabad ore mines. The project will take four years to be completed and forms a part of MIDHCO's USD 5 billion worth of investment in Kerman province.	SBB 25-Jul-11
<u>Kermanshah Steel (Navard Foolad Kermanshah Co.)</u>	Kermanshah	(150) STR		(400) BF (400) LD (400) STR	(400) (Unlikely)	P		Iranian rebar producer Kermanshah Steel is going to install a 400,000 tpy steel plant. The project is based on a blast furnace. The current rolling capacity of the company is 150,000 tpy using billet from other Iranian steel producers or imported material. About IRR 2,940bn of investment would be required to complete this project.	SBB 13-Jul-10 SBB 17-Mar-10 MB 19-Mar-10

Economy: **IRAN (12)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
						Start-up date		
<u>Khorasan Steel Complex Co (NISCO Group)</u>	Khorasan	650		950 (Firm)	950 (Firm)	S	2014 Khorasan Steel's new DRI plant's capacity is 800,000 tpy. Following on from the second DRI unit, the company also plans to install a new electric arc furnace and a continuous caster. This will have a production capacity of 800,000 tpy. The company will also expand its existing steel plant to 800,000 tpy from 650,000 tpy. It is reported that the company would complete the new meltshop by Feb 2014.	NET 30-May-12 SBB 14-Feb-11
		(1600)	DR (MIDREX) x 2	(950)	EF			
		(650)	EF	(950)	CC (billet)			
		(650)	LF					
		(630)	CC (billet)					
		(550)	STR					
<u>Khouzestan Oxin Steel Co</u>	Ahwaz			(1000) (Unlikely)	(1000) (Unlikely)	S	Oxin Steel is planning to install a 1m tpy slab casting steel plant and a 1.2m tpy DRI plant. Until this is completed slab will continue to be supplied from other steelmakers both locally – KSC and Mobarakeh Steel Co – and from mills in Ukraine, Russia and the EU.	SBB 01-Feb-11
		(1050)	Plate	(1200)	DR			
				(1000)	Steelmkg			
<u>Khouzestan Steel Co (KSC) (NISCO Group)</u>	Ahwaz	3200		(1650) (Unlikely)	(1650) (Unlikely)	S	Khouzestan Steel had been pursuing an expansion project to raise capacity to 5 million tpy before economic sanctions were imposed on Iran in 2011. The company planned to install a 1.6 m tpy DRI mega module, expanding three older DRI modules' capacity to 850,000 tpy from 600,000 tpy and the upgrade of six electric arc furnaces that will boost each one's output from 600,000 tpy to 875,000 tpy. The company also planned to construct a 1.2 million tpy slab caster.	SBB 27-Mar-13 MB 06-Jan-12
		(1020)	DR (HYL) x 3	(1850)	DR			
		(2800)	DR (MIDREX) x 5	(1650)	EF			
		(3200)	EF x 6		LF			
		(2400)	LF x 3	(1200)	CC (slab)			
		(1750)	CC (billet) x 3					
		(1000)	CC (slab) x 2					
		(550)	STR					

Economy: **IRAN (13)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
	Khorramshahr steel project			(2000)	(Unlikely)			Khorramshahr Steel's project has two stages: a direct reduction plant followed by a steel plant with rebar and flat rolling mills. It is expected to produce 2m tpy of finished products when the phases of development are complete. In the first phase the company will produce 800,000 tpy of hot rolled coil between 0.8mm and 12.7mm thick and up to 1,800mm wide, fed by DRI-based meltshops, according to original plans.	SBB 02-Jun-10 SBB 19-May-09
<u>Kouhpaye Steel Co</u>	Isfahan	(250)	STR		DR Steelmkg Hot STR				
<u>Kurdestan Steel Mill (NISCO Group)</u>						S			
<u>Mahkar Industrial Co</u>	Esterhard Industrial Town	(70)	BF						
<u>Maybod Steel Co</u>	Yazd	(200)	STR		(650) (Unlikely)	S		Maybod Steel Company, a pig iron producer in Yazd province in the centre of Iran, started to build a steel plant, according to the Iranian mines and metal industry holding company Imidro. Its pig iron capacity will be increased to 645,000 tpy from its current 300,000 tpy. It will also install a steelmaking plant with capacity of 650,000 tpy capable of producing billets in the range 130-200mm square.	SBB 06-Aug-09 SBB 22-Jul-08 NET
		(300)	BF		(345) BF (650) Steelmkg				

Economy: **IRAN (14)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Mazandaran Steel Industries Co</u>									
<u>Midwest Iron & Metal Co</u>	Srikakulam, Andhra	(200)	STR						
<u>Mino Dasht Steel Co</u>	Golestan	(110)	BF						
<u>Mojtame e Navard Nab Azarbaijan (MNNA)</u>	Azerbaijan	(300)	STR						
<u>Myaneh Steel</u>	Azerbaijan	(400)	STR		(800) (Unlikely)			Eight new steelworks have been under construction in Iran since 2005. Each of the new steelworks, which consist of a DRI module and meltshop with billet caster, will have an annual capacity of 800,000 tpy of crude steel. They include Myaneh Steel in East Azerbaijan province.	SBB 03-Jan-13 SBB 16-Jul-13
					(800) DR				
					(800) EF				
					(800) CC (billet)				

Economy: **IRAN (15)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Natanz Steel Industries Co</u>	Esfahan	250		800 (Possible)			2012	Natanz Steel planned on commissioning a second meltshop at its facility in Iran's Esfahan province in the third quarter of 2012. The new meltshop would be almost four times the size of its first unit and have a nominal capacity of 800,000 tpy of billet. The meltshop has been equipped with an eccentric bottom-tapping electric arc furnace (EAF) of 75 tonnes capacity.	GURU 03-May-11 MB 07-Mar-12 HP
<u>Navard Foulad Gilan Co</u>	Gilan								
<u>Neizar Pars Mersad</u>	Deilijan	(250) (220) (100) (30)	EF x 2 LF x 2 CC (billet) STR WR	(800) (800)	EF CC (billet)				
<u>Neizar Qom Steel</u>	Qom	(300)	STR	(1600)	Hot		2015	A 1.6 million tpy hot rolling mill is to be set up in Iran by Neizar Pars Mersad in Deilijan.	NET 04-Mar-13
<u>Neyriz Steel Complex (NISCO Group)</u>	Neyriz			1200 (Possible) (1200)	EF			A couple of years ago, Neizar Qom Steel started construction of the first phase of its mini mill. The first phase of the project involved the installation of a 1.2 million tpy meltshop that was due to be completed in March 2013. A 1 million tpy rolling mill for long products, including sections, will be added later on.	MB 30-Jul-12
				800 (Possible) DR (800) (800)	Steelmkg CC (billet)	S	2013	Iranian mini mill Neyriz Steel was scheduled to begin operation of its new direct reduced iron (DRI) plant by June 2013.	NET 16-Oct-12 SBB 17-May-11

Economy: **IRAN (16)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Pars Steel Co</u>	Tehran					P		The annual capacity of this mill is 300,000 tonnes.	
<u>Pasargad Steel Complex (P.J.S.)</u>	Kovar		Plate STR		1500 (Firm) DR (1500) EF (1500) CC (billet) STR	P	2013	The new private-sector billet producer Pasargad Steel commissioned its 1.5 million tpy capacity electric arc furnace-based billet plant, located near the southwestern city of Shiraz, in June 2013. The company also plans to possess iron ore pelletising and DRI plants, as well as wire rod, bar and medium sections rolling mills.	SBB 02-Jul-13 SBB 06-Aug-13
<u>Poulad-e Navard</u>		(80)	STR			P			
<u>Sabzevar Steel</u>	Sabzevar				(800) (Unlikely) DR (800) EF (800) CC (billet)	S	2012	A few years ago, Iranian Mines & Mining Industries Development & Renovation Organization (Imidro) had plans to sell four of the eight new steelworks currently under construction to private investors. They include Bafgh Steel, in Yazd; Baft Steel, in Kerman; and Sabzevaer Steel, in Khozestan; as well as Shadegan Steel, in Khozestan.	SBB 27-Apr-11
<u>Sadid Industrial Group</u>	Mahshahr Pipe Mill Co	(350)	SAW						

Economy: **IRAN (17)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
Sadid Pipe & Equipment Co									
		(250)	SAW x 2						
<u>Sadr Steel Co</u>					(320) (Unlikely)	P		Sadr Steel, a private rolling mill in Iran, plans to set up a meltshop with a capacity to produce 320,000 tpy of billet, expandable to 400,000 tpy.	NET 18-Apr-13
		(180)	STR		(320) EF (320) CC (billet)				
<u>Safa Industrial Group</u>									
Safa Rolling & Pipe Mills Co									
		(500)	ERW						
		(1000)	SAW x 2		(Unlikely)				
	SafaToos Pipe & Profile Mills	(160)	SAW	(500)	STR			Safa Toos Rolling & Pipes' new 500,000 tpy capacity rolling mill was expected to start cold commissioning in June 2010 and hot commissioning in July 2010. Safa Toos had also been studying whether to build another rolling mill with a 500,000 tpy debar and 150,000 tpy wire rod capacity.	MB 12-Apr-10 MB 09-Jul-08
Saveh Rolling & Profile Mills									
		(400)	SAW						
		(400)	ERW						
<u>Sahand Steel</u>		500			(1500) (Unlikely)			The mill, financed by private investors, will initially use a 500,000 tpy scrap melting induction furnace and billet caster of the same capacity. The new plant, located in Ajabhsir, East Azerbaijan province, is part of a bigger project that includes a 1.5 million tpy DRI module, an additional 1.5m tpy steel melt shop and a 500MW power plant.	SBB 15-Jul-11 NET
	Ajabhsir	(500)	IF	(1500)	DR				
		(500)	CC (billet)	(1500)	Steelmkg				

Economy: **IRAN (18)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Semnan Hot Rolling Mills</u>	Semnan	(120)	STR			P		
<u>Sepahan Industrial Group Co</u>	Isfahan	(420)	ERW					
<u>Sepid Dasht Steel (NISCO Group)</u>	New slab making project			800 (Possible)		2013	Construction of the direct reduced iron (DRI) plant of the Iranian iron and steel producer Sepid Dasht Steel has made significant progress. The DRI plant was expected to be completed by March 2013. The company also plans to install a meltshop and a continuous slab caster.	SBB 07-Jun-11 MB 08-Aug-12
<u>Seven Diamonds Industries Co</u>	Qazvin	(300) (100)	Cold HGL	(500)	(Possible) Cold		Seven Diamonds Industries has a galvanizing mill with an annual capacity of 100,000 tonnes. The producer's newly commissioned cold rolling line is capable of producing 0.3mm to 1.5mm cold rolled coils with a capacity of 300,000 tonnes per year. The cold rolling line, which was installed in 2007, constitutes the first phase of a two phase plan to achieve an annual cold rolled coil capacity of 800,000 tonnes.	NET 25-Jul-09

Economy: **IRAN (19)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Shadegan Steel Complex</u>	Shadegan			(800) (Unlikely)				The direct reduction unit of Shadegan Steel Complex is scheduled to be put in operation. The complex comprises of different plants, including steel production unit and direct reduction unit. The unit has a capacity of 800,000 tpy and can be increased to 2 million tpy.	SBB 03-Jan-13
<u>Shahin Bonab Steel Complex</u>	Tabriz	(500)	STR		DR EF (800) CC (billet)	P		Shahin Bonab Steel Complex, which is an Iranian privately-owned rolling mill, has a rolling capacity of 500,000 tpy.	
<u>Shahrood Steel Co</u>	Shahrood	(200)	STR		300 (Firm) (300) EF LF CC (billet)	P		Iran's Shahrood Steel Co signed a USD 30 million contract with Siemens VAI Metals Technologies Co for the supply of a 50-tonne electric arc furnace, a 50-tonne ladle furnace, a 3-strand continuous caster and other meltshop equipment. Commissioning was due in the 2012.	MB 18-Apr-12 MB 16-May-08
<u>Siaden Steel</u>		(300)	STR						
<u>South Kaveh Steel project</u>	Bandar Abbas	(928)	DR (MIDREX)		2400 (Firm) (928) DR (MIDREX) (2400) EF LF (2400) CC (billet)		2013-14	Iran's South Kaveh Steel planned to commission a new 2.4 million tpy electric arc furnace-based billet plant by the end of 2013. The company will install a 140 mt EAF meltshop with six-strand continuous caster. No rolling mills are planned so far.	MB 04-Jul-12 SBB 14-May-13

Economy: **IRAN (20)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Tabriz Atashin Nab Steel</u>	Tabriz	(200)	STR					
<u>Takestan Alborz Steel Co</u>	Tehran	(100)	STR			P		
<u>Vian Steel Melting & Casting Co (VISCO)</u>	Hamedan	500	EF LF CC (billet)		(Unlikely) (300) STR	P	Iranian steelmaker Vian Steel had been negotiating with some foreign plantmakers the establishment of a rolling mill of 300,000 tpy capacity for the production of long steel products. Vian Steel, which is the largest Iranian privately-owned steelmaker, has a capacity of 550,000 tpy of billet.	SO 14-Jan-11
<u>West Alborz Steel Co</u>	Zanjan	200						
		(200)	IF x 2 LF					
		(300)	CC (billet)					
<u>West Jahan Steel Complex</u>	Kermanshah	(500)	STR			P		

Economy: **IRAN (21)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Yazd Rolling Mill Co</u>	Yazd	400				P			
		(400)	EF						
		(400)	LF						
		(400)	CC (billet)						
		(800)	STR x 2						
		(400)	WR						
<u>Yazd Saman Steel</u>	Yaza					P		Yazd Saman Steel and Asia Iron Melting Co has invested in two new meltshops. Both meltshops use induction furnace technology and produce billet sizes 100x100mm-130x130mm and 6-12 metres long. Yazd Saman Steel's melt shop will be equipped with two 12-tonne capacity induction furnaces and a two-strand continuous casting machine. It will have a 90,000 tpy billet capacity.	MB 30-Dec-09
				(90)	(Unlikely)				
				(90)	IF x 2				
				(90)	CC (billet)				
<u>Zagros Steel</u>	Kordestan	(70)	BF					Zagros Steel Company in Iran's Western province of Kurdistan plans to produce 2 million tonnes of steel annually after receiving an investment from a leading Chinese company. Chinese Tihan Company will provide the Zagros Company with modern systems and technologies in a bid to pave the ground for its increased production.	GURU 05-Jun-12
				(2000)	(Unlikely)				
				(2000)	Steelmkg				

Economy: **IRAQ**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Al Maseera's steel mill project</u>	Basra			450 (Firm)			2011-12	Al Maseera's plant that was under construction in Iraq is capable of producing 450,000 tpy of billets and 350,000 tpy of rebar. Astra Industrial Group has activities in pharmaceutical, chemical, engineering, agricultural and home furnishing industries.	SBB 26-Nov-09 SBB 16-Sep-09
<u>Al Sumood State Co for Steel Industries</u>	Basra	8		(150) (Unlikely)		S			
		(8)	EF LF	(150) EF (150) CC (billet) (250) STR					
<u>Al-Tanmiya Plant for Steel Industries Co (Al-Anmaa Steel)</u>	Umm Qasr, near Basra			450 (Firm)		P	2012	The commissioning of new Iraqi rebar mill Al Tanmiya for Steel Industries has been delayed due to insufficient power supply from the national grid to enable continuous production. The steelworks, located in Iraq's southern city of Basra, will have a 300,000 tpy rebar and 450,000 tpy billet capacity.	SBB 31-Jul-12 SBB 15-Sep-11
				(450) EF LF (450) CC (billet) (300) STR					

Economy: **IRAQ (2)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>ArceIorMittal & Dayen JV</u>	Rebar mini-mill project in Erbil			250 (Possible) (250)	IF STR	P	2013	ArceIorMittal and Turkish trading firm Dayen have shifted the location of their prospective Iraqi rebar plant 140 km northwest to Erbil owing to issues with land allocation in Sulaimaniyah where the plant was initially going to be based. Construction was to begin as soon as authorities in Erbil allocate land to the project. In order to serve an Iraqi market with strong prospects for steel consumption driven by post-war reconstruction, Dayen is constructing a 250,000 tpy rebar mill in partnership with the world's largest steelmaker, along with an induction furnace-based billet plant and captive power plant to ensure sufficient energy supply.	SBB 02-Apr-12 SBB 10-Feb-11
<u>Basra Iron & Steel Company (BISCO)</u>	Basra			250 (Possible) (250) (250) (250)	IF x 2 CC (billet) STR		2013	Isa Unal, owner of Turkish conglomerate Moher Limited, plans to construct a 250,000 tpy rebar mill in a new industrial city being established outside the southern Iraqi city of Basra. The project, which received a licence from the Basra Investment Commission, was scheduled for completion by the end of 2013 and will serve the projected boom in domestic demand from post-war reconstruction. The new mill – operating under the name of Basra Iron & Steel Company (BISCO) – will include two induction furnaces and a continuous caster for 130mm square billet. An electric arc furnace had initially been considered for the project, but was decided against because of its high energy consumption (over 100MW).	SBB 06-Jun-12

Economy: **IRAQ (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Erbil Steel Co</u>	Basra Steel			(150)	(Unlikely)			Basra Investment Board in southern Iraq has agreed in principle to build an iron and steel plant at a cost of USD 150m, to produce 250,000 tpy of rebar. A joint proposal has been made by Erbil Steel and a Turkish company. The new plant will be called Basra Steel. The facility will be similar to Erbil Steel: induction furnace, with 150,000 tpy capacity. However, the licence is reported to have been awarded to Isa Unal which also plans to construct a 250,000 tpy rebar mill, putting Erbil Steel's plans for a second rebar mill in Iraq in doubt.	SBB 28-Dec-11 SBB 06-Jun-12
		240		(150) IF (150) CC (billet) (150) STR					
	Erbil	240		(Unlikely)		2013		Erbil Steel planned to expand its rolling mill capacity to target growing demand in the country stemming from post-war reconstruction.	SBB 09-Apr-12
		(240) IF (240) CC (240) STR		(120) STR					
<u>G.K.Steels Pvt Ltd (Kanoos Group)</u>	Erbil, Kurdistan			80	(Firm)			Iraqi rebar producer G.K. Steel has completed the installation of a new induction furnace, taking its total finished product capacity up to 80,000 tpy. The company's output serves the domestic construction industry, currently booming owing to post-war reconstruction.	SBB 17-Apr-12
<u>Iraqi Steel Co</u>	Kurdistan region	100		(80) IF (80) STR		2012			
		(100) IF							

Economy: **IRAQ (4)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Mass Global Investment</u>	Kurdistan			1000 (Firm)		2012		Italian plantmaker Danieli has supplied a meltshop and rebar mill for Jordan-based Mass Global Investment's new steelworks project in Kurdistan, northern Iraq. The plant has a 1m tpy capacity and was scheduled to start production in the first quarter of 2012. It includes a 120-tonne electric arc furnace, ladle furnace and five-strand continuous caster for 130mm and 150mm billets. The rolling mill will produce 10-32mm debar, and will have a 16-stand continuous mill plus a six-pass, high-speed twist-free finishing block.	SBB 01-Feb-11 SBB 28-Dec-10
<u>State Company for Iron & Steel (SCIS)</u>	Kohr Al-Zubair (Basra)	440		(560) (Unlikely)		S	2015	Turkish industrial group United Brothers Holding (UB) has finalized negotiations with Iraqi authorities for the revamping and upgrading of Iraq's State Company for Iron & Steel (SCIS), which has been out of action since April 2003. SCIS is to be revamped by Turkish engineering firm Pirimer in three stages. The first will see SCIS's 500,000 tpy 12-32mm diameter rebar and round bar mill restored to operation, along with its electric arc furnace meltshop. Stage two will involve the revamping of SCIS's 1m tpy direct reduced iron plant, while the final phase will see the mill's melting capacity increased to 1m tpy and its structural sections rolling mill brought back on line. The entire revamp is scheduled for completion by 2015, and will result in a long products capacity of 1m tpy.	SBB 31-May-12
		(1200)	DR (HYL) x 4	(560)	EF				
		(440)	EF x 4	(560)	CC (billet)				
		(440)	CC (billet) x 2	(600)	STR				
		(400)	STR x 2						

Economy: **IRAQ (5)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Comments	Source
	New integrated steel mill project in Basra			(3000)	(Unlikely)		Korean plant builder STX Heavy Industries has signed a memorandum of understanding with the Iraqi government to build a 3m tpy integrated steelworks in Basrah province, southern Iraq. The works will produce 1.2m tpy each of hot rolled coil and rebar, plus 600,000 tpy of sections. After the USD 3bn project is completed, the works will be managed by State Company for Iron & Steel.	SBB 05-Feb-10 NET
	Umm Qasr	(200)	SAW					

Economy: **JORDAN**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Arabian Steel Pipes Manufacturing Co Ltd</u>	Sahab, Amman	(30)	ERW x 2					
<u>General Specialized Steel Manufacturing Co</u>	Muwaggar	(200)	STR x 2			P		
<u>Jordan Iron & Steel Industry Co Ltd</u>	Zarga-Awaiian	75						
		(75)	EF x 2					
		(120)	CC					
		(120)	STR x 2					
<u>Jordan Steel Plc</u>	Amman	240			120 (Firm)	P	2012 Billet and bar producer Jordan Steel began modernisation work on its electric arc furnace melt shop and billet caster in April 2012, with the aim of increasing billet capacity to 360,000 tpy.	SBB 28-Mar-12
		(240)	EF		(120) EF			
		(240)	CC (billet)		(120) CC (billet)			
		(240)	STR					
<u>National Steel Industry Co Ltd</u>		(100)	STR					

Economy: **JORDAN (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Reach Group</u>	New billet plant			(45)	(45) (Unlikely)	2011-12	Management consultancy Reach Group began steelmaking activity by starting a 45,000 tpy capacity billet plant in Jordan. Rebar and merchant bar production capacity is planned to be added at a later date.	SBB 24-Jun-11
<u>Taybah Metal Industries (Taybah Steel Group)</u>								
Al- Muwaqar Industrial Estate		150			(Firm)	2012	Taybah Steel has commissioned an EAF-based long product steelworks in the newly inaugurated Al-Muwaqar Industrial Estate, south-east of Amman, Jordan. The Saudi-Jordanian-British joint venture has a 150,000 tpy billet capacity and plans to bring a 150,000 tpy rebar mill online. The company has a 3-strand continuous caster sourced from Jordan, while its electric arc furnace was bought from a Turkish supplier. The rebar mill was supplied by an Indian manufacturer.	HP SBB 01-Jun-11
		(150)	EF		(150) STR			
		(150)	CC (billet)					
<u>United Iron & Steel Manufacturing Co. (Manaseer Group)</u>								
Amman		200						
		(200)	EF					
			LF					
		(200)	CC (billet)					
		(100)	STR					

Economy: **QATAR**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Al-Watania Steel</u>	Arkan Steel			(750)	(Unlikely)			Watania Steel project, under the name of Arkan Steel, was expected to commission a new plant producing black and annealed wire, as well as nails, in the Saudi Arabian capital of Riyadh in mid-2012. A 750,000 tpy rebar and medium sections mill was scheduled to be launched at the same site at the start of 2013. A 750,000 tpy electric arc furnace meltshop and billet caster to feed the rolling mill will be constructed at a later date.	SBB 15-May-12
	Doha	(120)	STR	(400)	(Firm) STR	2012		Qatar's Al Watania Steel planned to start up a light long product rolling mill by April 2012 to capitalise on the projected growth in demand for construction steel in the Gulf Cooperation Council (GCC) region. The mill has a 400,000 tpy production capacity for 8-16mm rebar, round bar, 5.5-11mm wire rod and rebar in coils.	SBB 15-May-12 SBB 03-Oct-11
<u>Hyojong Industrial Co Ltd</u>	Ras Laffan Industrial City	(150)	SAW						
<u>Qatar Steel Co (QASCO)</u>	Mesaieed	1470		680	(Firm)	S	2013	Qatar Steel had planned to bring its new 1.1m tpy electric arc furnace meltshop online by December 2012. The new EAF, ladle furnace and continuous billet caster will replace an existing meltshop containing two smaller EAFs, and will raise billet capacity to 2.8m tpy.	SBB 10-Mar-11 SBB 25-Apr-11 MB 06-Apr-11
		(1900) (1470) (1847) (1440)	DR (MIDREX) x 2 EF x 4 CC (billet) x 4 STR x 2	(680) (953)	EF CC (billet)				

Economy: **QATAR (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Seashore Steel & Pipe</u>	Doha	120			(Firm)	P	2012	Seashore Steel, a new steel mill built in the New Industrial Area of Doha, Qatar, was scheduled to go into commercial production by October 2011. The company was also setting up a rolling mill for light and medium sections, which was planned for commissioning by the beginning of 2012.	NET 13-Sep-11 SBB 15-Sep-11
		(120)	IF		STR				
		(120)	LF						
		(120)	CC (billet)						

Economy: **SAUDI ARABIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Al Atoun Steel Industries</u>	Yanbu			900 (Firm)		2013	The commissioning of Saudi Arabia's Al Atoun Steel Industries' new rebar mill in Yanbu Industrial City 2 – north along the Red Sea coast from Jeddah – was delayed until Q4 2013 as the company awaited the allocation of power to supply the new facility. Once it comes on stream, the electric arc furnace-based plant will be capable of producing 900,000 tpy of billet and 500,000 tpy of 8-32mm diameter rebar, rounds, squares and angles. In a second phase of expansion, the firm will undergo backward integration by installing its own 1.2m tpy DRI plant.	SBB 26-Jun-12 SBB 06-Jul-10
<u>Al Azizia Steel</u>	Bahrah, Jeddah	450						
		(450)	EF LF					
		(450)	CC (billet)					
		(100)	STR					
<u>Al Jazera Factories for Steel Products Ltd (Jasco)</u>	Jeddah							
		(260)	ERW x 7					
<u>Al Musairiy Metallic Industries Co</u>	Riyadh							
		(100)	ERW					

Economy: **SAUDI ARABIA (2)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership Start-up date	Comments	Source
<u>Al Rajhi Steel (Rajhi Steel)</u>	Rajhi Heavy Industries			(2000) (Unlikely)		2016	Rajhi Heavy Industries, which is part of Mohamed Al-Rajhi & Sons Holding Company, will have 1.8m tpy direct reduced iron and 650,000 tpy hot briquetted iron production capacity, as well as a 2m tpy melt shop in March 2016. The works will produce billet, some 400,000t of which will be allocated for production of light sections and 200,000t for production of seamless pipe. It will also possess 200,000 tpy alloy steel and tool steel capacity, and will additionally produce heavy sections and rails. Total finished product output is expected to reach 2.65mt in 2016.	SBB 27-Apr-11 SBB 14-Oct-11
	Riyadh & Jeddah	850		(1000) (Unlikely)		2012	Saudi Arabian steelmaker Rajhi Steel began commercial production of rebar at its new rolling mill in Yanbu, north of Jeddah, after commissioning the unit in April 2012. The mill has a 750,000 tpy capacity, and will take Rajhi Steel's total capacity of the product to 1.5m tpy. The new rolling mill can also produce up to 250,000 tpy of wire rod, although output of this product will begin at a later stage. The company also plans to launch new DR1 and billet plants at a later stage to feed its new rebar mill; both facilities will have 1m tpy capacities. Until they come on line, Rajhi will source billet from existing suppliers in the Saudi market, as well as from abroad.	SBB 29-Nov-11 SBB 08-May-12
<u>Al-Tuwairqi Group</u>								
Al-Ittefaq Steel Products Co (Dammam)		(1250)	STR					
Al-Ittefaq Steel Products Co (Makkah)		(400) (1200)	STR STR					

P

Economy: **SAUDI ARABIA (3)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
Arab Iron and Steel Co (Dammam)				(2000)	(Unlikely)			The private Saudi-based Al-Tuwairqi Holding Co will start production at a new steel complex. The complex, with a production capacity of 2 million tpy, will raise the steel billet production capacity of the group to 3 million tpy. The steel complex, which includes a billet unit, a direct reduction unit and a melt shop, will be called the Arab Iron and Steel Co, which is 100-percent owned by family-owned Al-Tuwairqi Holding Co. In 2011, Al-Tuwairqi Group signed a SAR 7.5 billion debt restructuring deal with a consortium of 18 local and international banks that will enable the Arab Iron & Steel Company to complete the project.	REU 17-Aug-09
					DR				SBB 28-Jun-11
				(2000)	Steelmkg				MB 24-Aug-09
		(2000)	CC (billet)						SBB 18-Aug-09
Direct Reduction Iron Co (Dammam)		(1500)	DR (MIDREX) x 2						
		1000							
National Steel Co (Nasco) (Dammam)		(1000)	EF						
			LF						
		(1000)	CC (billet)						

MB 26-Feb-09

Economy: **SAUDI ARABIA (4)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Al-Yamamah Steel</u>	Jizan	(600)	STR	(1200)	(1200) (Unlikely) (600) STR (1200) EF LF (1200) CC (billet)			Saudi rebar mill Al-Yamamah Company for Reinforcing Steel Bars put its project to install a new meltshop on hold while it negotiated with local authorities over a power allocation for the new unit. The 600,000 tpy rebar producer plans to install a 1.2m tpy electric arc furnace-based billet casting plant and double its rebar capacity to match billet output. The expansion project was initially announced in 2008, when Al-Yamamah ordered an EAF from Danieli; however, because there are not enough power stations in the vicinity of the plant's site in Yanbu Industrial City 2 – north along the Red Sea coast from Jeddah – the company was unable to secure energy supply, and could not confirm when this would happen.	SBB 25-Jun-12
<u>Arabian Pipes Co. (APC)</u>	Jubail	(300)	SAW						
	Riyadh	(160)	ERW						
<u>ArcelorMittal Tubular Products Al-Jubail Co</u>	Jubail				(Firm)	P		2013 ArcelorMittal's new seamless pipe mill, in Saudi Arabia's eastern coastal city of Jubail, was scheduled to begin commercial production at the start of 2013. ArcelorMittal Jubail is a joint venture with Saudi group Al-Tammiah Company for Industrial and Commercial Investment, and will produce up to 600,000 tpy of seamless pipe for the oil and gas sectors.	SBB 26-Apr-12 SBB 11-Aug-11

Economy: **SAUDI ARABIA (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Global Pipe Co</u>					(Firm) (200) SAW		2012	Saudi Arabia's newest pipe mill, Global Pipe Company, was scheduled for commissioning in August 2012. The mill produces up to 200,000 tpy of longitudinal submerged arc welded (LSAW) linepipe, process and structural pipe for oil and gas, petrochemicals and water transmission, as well as for structural applications like construction piles and windmills. Global Pipe Company, based in the eastern coastal city of Jubail, is a joint venture between Saudi Steel Pipe and German pipemaker Erdmtebrücker Eisenwerke (EEW) who each hold 35%, plus Pan Gulf Piping Systems (10%) and Ahmed Hamad Al-Khonaini (20%).	SBB 08-Mar-12
<u>Jubail Energy Services Company (JESCO)</u>	Jubail	(400)	SMLS	(50)	(Firm) SMLS		2014	Saudi Arabia's Jubail Energy Services Company (JESCO) is expanding production capacity at its seamless pipe mill in Jubail. In order to cater to growing demand from the region's oil and gas sector, the company will increase pipemaking and finishing capacity to 450,000 tpy in Q1 2014.	SBB 09-Jul-12
<u>National Pipe Co Ltd (Rezayat Group)</u>	Al Khobar	(360)	SAW x 2						P

Economy: **SAUDI ARABIA (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>National Sulb company</u>	Rabigh			300 (Possible)		2011-12	The new billet plant built by Saudi Arabia's National Sulb company aims to supply billet to the Gulf market to replace imports into the region. The plant was built in Rabigh, on the east coast of the Red Sea and has 300,000 tpy billet production capacity. The total value of the investment was quoted as USD 67m.	SBB 01-Jun-10 NET
<u>Saham Steel</u>	Jubail	500 (500) (500) (300)	EF CC (billet) STR	(300) (300)	IF CC (billet)			SBB 05-Apr-11
<u>Saudi Iron & Steel Co (Hadeed)</u>	Flat products plant (Al-Jubail)	2300 (1100) (1760) (2300)	DR (HYL) DR (MIDREX) EF x 2 LF CC (slab) Hot Cold HGL Ptg					S/P

Economy: **SAUDI ARABIA (7)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
	Long products plant (Al-Jubail)	2700		1000 (Firm)	1000 (Firm)		2012	The Italian credit guarantee agency SACE secured a USD 435m loan provided by HSBC to Saudi Basic Industries Corporation (SABIC) for the expansion project of its steelmaking branch, Hadeed, in Jubail Industrial City. Italian plantmaker Danieli supplied a plant for the production of 1m tpy of billets and 500,000 tpy of rolled products.	SBB 02-Feb-11
	<u>Saudi Steel Pipe Co</u>					P			
	Dammam								
	<u>Saudi Steel Profile Mfg Factory Co Ltd</u>	(240)	ERW						
	<u>Sidc Metal Coating Co (SMC)</u>					P			
	Bahra							Unicoil acquired in December 2007 100% of SIDC Metal Coating Co.	HP
	<u>South Steel (Pan Kingdom Invest Co.)</u>	(85)	Ptg						
	Jizan								
				1000 (Firm)			2012	A few years ago, Qatar Steel increased its stake in Saudi Arabia's prospective long product producer South Steel from 20% to 29.7%. South Steel commissioned its new long product steelworks in March 2012. The first phase of the project involved the construction of an electric arc furnace based billet plant with a capacity of 1 million tpy, as well as a 500,000 tpy rebar mill. A 500,000 tpy rebar and wire rod mill was also constructed in the second phase of the project, which was expected to begin production in 2013.	SBB 13-Mar-12 SBB 22-Dec-11

Economy: **SAUDI ARABIA (8)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>United Steel Company (SULB)</u>									
United Gulf Steel		(450)	STR					Saudi Arabian section mill United Gulf Steel Mill (UGS) was acquired by a new owner, Bahraini steelmaker United Steel Company (SULB). SULB is a 51%-49% joint venture between Kuwaiti holding company Foulath and Japanese steel company Yamato Kogyo. The latter announced the acquisition in June 2011.	SBB 27-Sep-11
<u>Universal Metal Coating Co Ltd (UNICOIL)</u>									
Al-Jubail		(250) (250) (210)	Cold HGL Ptg						P
<u>Watania Steel</u>									
Arkan Steel				1000 (Possible) (1000) (750)	EF CC (bloom) STR		2013	Qatar's Al Watania Steel was reported to have been setting up a steelworks in Saudi Arabia that would produce rails under the name of Arkan Steel. The facility will have a 1 million tpy electric arc furnace meltshop and bloom caster, and 750,000 tpy rail mill, making it the first producer of rails in the GCC. Land for the project was secured in 2011 and commissioning was expected by the middle of 2013.	SBB 03-Oct-11
	Riyadh	120							
		(120) (120)	IF x 2 STR						

Economy: **SYRIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Al Wahib Commercial Group</u>	Tartous					P		NET 02-Jun-08
		(200)	STR					
<u>Arabian Steel Co. (Asco)</u>	Jableh					P		
		(300)	STR x 2					
<u>Damask Metals Co. (Shammout Group)</u>	Damascus							
		(60)	ERW x 3					
<u>General Company for Iron & Steel Products (Hadeed Hama)</u>	Hama	70			218 (Firm)	S		SBB 27-Jul-11
		(70)	EF x 2		(218) EF	2011-12	State-owned Syrian steelmaker Hadeed Hama, or GecoSteel, postponed its billet capacity increase beyond the planned start-up owing to disruption caused by social unrest in the country. GecoSteel originally planned to upgrade its two 25-tonne electric arc furnaces to 30t units, as well as add a new ladle furnace and install two new continuous casters for billet: one with three strands, the other with two. The steel mill renovation was being carried out by Indian company Appollo and would see the company's liquid steel capacity increase four-fold to 300,000 tpy. Its new billet capacity would be 288,000 tpy.	
		(70)	CC x 2		LF			
		(100)	STR		(218) CC (billet)			

Economy: **SYRIA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hmisho Steel (Hmisho Economic Group)</u>	Homs			800 (Firm)	800 (Firm)	2012		Syrian rebar producer Hmisho Steel expected to commission its new 800,000 tpy meltshop in August 2012. The steelworks, located in Hassia Industrial Area, south of Homs, includes two blast furnaces, an energy-optimising furnace and a continuous billet caster. Billet will go to Hmisho's existing 500,000 tpy rebar mill in Latakia, with any surplus sold on the open market. Plans have been drawn up to expand this product range to include alloy steels in the future.	SBB 01-Aug-12 SBB 24-Oct-11
	Latakia	(500)	STR		BF x 2 (800) EOF (800) CC (billet)				
<u>Joudco Steel</u>	Latakia	(150)	STR		750 (Firm) (750) EF LF (750) CC (billet)	P 2011-12		Before the onset of the Syrian crisis, rebar producer Joudco Steel was reported to having been gearing up to begin production at its new 750,000 tpy billet plant in Adra Industrial City, near Damascus. The company currently has a 150,000 tpy rolling capacity for 8-32mm rebar and merchant bars (angles, flat bars and square bars).	SBB 18-Feb-10 SBB 14-Jun-11
<u>Mediterranean Steel Co (MedSteel)</u>	Adra Industrial City			(750) (Unlikely)	(750) (Unlikely)			The company will manage and operate its new steel plant that is designed to produce 750,000 tpy of square billets in the dimensional range of 100 mm up to 150 mm.	HP
				(750) EF (750) CC (billet)					

Economy: **SYRIA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Steelco (Saifi Group)</u>	Hasya industrial city			(300)	(Firm) STR	P	2012	Syria's Saifi Group for Industry & Trading expected to complete commissioning of its 300,000 tpy bar and section rolling mill, Steelco in early 2012. The mill had been scheduled to start at the end of 2011, but this was delayed on account of foreign advisors refusing to enter Syria to help with commissioning due to ongoing political unrest.	SBB 22-Mar-12
<u>Syria Metal Industries (SMI) (Hamsho International Group)</u>	Adra Industrial City, Damascus			(800)	(Unlikely) EF LF (800) CC (billet) (450) STR	P		A few years ago, Syrian Hamsho Group was looking to build a new meltshop in the country. It would have gone under the name of Syria Metal Industries and would have provided billet for a new rolling mill in Damascus. The meltshop would have 800,000 tpy billet capacity. Following the start of billet production, the company aimed to start its new rebar rolling mill with a 450,000 tpy capacity.	SBB 14-Apr-09
<u>Syrian Galvanised Pipes Co</u>	Damascus	(35)	ERW						
<u>Syrian Steel & Iron Co (Salb)</u>	Adra Industrial City, Damascus	(250)	STR			P			

UNITED ARAB EMIRATES

Economy:

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Abu Dhabi Metal Pipes & Profiles Industries Complex LLC (Adpico)</u>	Abu Dhabi	(800)	ERW		(Possible) SAW	P		The tubes and pipes maker ADPICO finalized a major expansion at its works in the industrial city of Abu Dhabi where it operates ten pipe manufacturing lines and three galvanizing lines. The new product is double submerged arc welded spiral pipe with a size range of 20 to 120 inches outside diameter and 6-25.4mm wall thickness. The company's previous production capacity for ERW pipes and tubes was 800,000 tpy and the new mill added another 120,000-150,000 tpy.	HP SBB 16-Dec-09
<u>Abu Dhabi National Co for Building Materials (BILDCO)</u>	Abu Dhabi				(Unlikely) (300) STR			United Arab Emirates (UAE) steel trader and fabricator Abu Dhabi National Company for Building Materials (Bildco) postponed plans to construct a 300,000 tpy rebar mill close to its base in Abu Dhabi owing to weak consumption in the local market. The technology for the new mill has been purchased, but construction of the facility was expected to begin when market conditions improved.	SBB 02-May-12
<u>Al Ghurair Iron & Steel</u>	Abu Dhabi	(350) (250) (200)	CAPL Cold HGL		(Possible) (200) HGL		2013	United Arab Emirates' sole producer of cold rolled and galvanized coil, Al Ghurair Iron & Steel, had planned to commission its new hot-dip galvanizing line by the end of 2013. In November 2011, Nippon Steel acquired 20% of the voting rights in Al Ghurair Iron & Steel.	SBB 18-Nov-11 SBB 17-May-12

Economy: **UNITED ARAB EMIRATES (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Al Nasser Industrial Enterprises (ANIE)</u>						P		MB 17-Apr-09
Emirates Steel Establishment (Abu Dhabi)		460						
		(400)	EF					
		(60)	IF x 2					
		(440)	CC (billet) x 2					
Euro Gulf Steel Industries (Dubai)		35						
		(35)	EF					
		(35)	CC (billet)					
		(50)	STR					
Gulf Sponge Iron							Gulf Sponge Iron has an installed capacity of 250,000 tpy of DR. The company commenced commercial operations in August 2010.	HP
		(250)	DR (HYL)					SBB 30-Jul-12
Gulf Steel Industries (Abu Dhabi)		(150)	STR x 2					
<u>Conares Metal Supply Ltd</u>						P		SBB 06-Apr-11
Jebel Ali Free Zone site in Dubai							United Arab Emirates-based pipe producer Conares Metal Supply commissioned a new rebar mill in Dubai's Jebel Ali Free Zone (Jafza) in April 2011. The new rebar plant has a production capacity of 500,000 tpy and produces 8-32mm diameter rebar, 6-18 metres in length.	
		(180)	ERW					
		(500)	STR					

Economy: **UNITED ARAB EMIRATES (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Emirates Steel Industries</u>						S			
Musaffah Industrial Area in Abu Dhabi		2800		(Possible)				United Arab Emirates rebar producer Gulf Steel Industries (GSI), a subsidiary of steel group Al Nasser Industrial Enterprises, has sold its unused 400,000 tpy capacity rebar mill to neighbouring steelmaker Emirates Steel (ESI). Abu-Dhabi based GSI bought the equipment in 2007/08 with a view to installing it at its own plant but decided against this due to persistent weak consumption in the local rebar market. ESI is now in the process of commissioning the mill, which will boost its finished product capacity of 3m tpy.	SBB 30-Jul-12
		(3200)	DR (HYL)	(400)	STR				
		(2800)	EF						
		(2370)	STR x 2						
		(480)	WR						
	Phase 3			1400 (Possible)			2014	Phase 3 of Emirates Steel's expansion includes construction of a new melting plant, a new HRC mill and ancillary facilities in Musaffah, near Abu Dhabi. Around 1.6 million tpy will be added to the company's capacity. Emirates Steel will produce HRC and narrow quarto plate from a DRI-fed, low-sulphur steelmaking plant feeding into a thin slab caster and then directly to a hot strip mill. The company is also planning to enter into production of pipe products in excess of 1m tpy.	MB 28-Feb-12 SBB 21-Sep-10 SBB 06-Sep-11 MB 15-Mar-10
<u>Emirates Steel Pipes Industries</u>									
Jebel Ali Free Trade Zone in Dubai									
			BLM						
			Hot						
		(120)	SMLS x 2						
<u>Emirates Techno Casting</u>						P			
Sharjah & Ajman		24							
		(24)	IF						

Economy: UNITED ARAB EMIRATES (4)

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Hamriyah Steel (Metalloinvest)</u>	Hamriyah Free Zone	(1000)	STR		(Unlikely) DR EF			Hamriyah Steel, a 1m tpy rebar JV between Russia's Metalloinvest and Sheikh Khalifa bin Zayed bin Sultan Al Nahyan, should begin construction of a DRI plant to supply EAF-based billet casting in the near future.	SBB 22-Mar-12 SBB 18-Feb-11
<u>Qatar Steel Co (Qasco)</u>	Jebel Ali Free Zone					S			
<u>RAK Steel</u>	Ras Al Khaimah	(300)	STR (240) WR		(Possible) (250) STR			United Arab Emirates re-roller RAK Steel was planning to increase its current 500,000 tpy rolling capacity to 750,000 tpy.	SBB 29-Jul-10 SBB 07-Apr-10
<u>Star Steel International (ETA Ascon Star Group)</u>	Hamriyah Free Zone in Sharjah	(600)	STR						
<u>Union Iron & Steel Llc (Al Sharafi Group)</u>	Abu Dhabi	(300)	STR						

Economy: **OTHERS**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
AFGHANISTAN									
<u>Afghan Folang Steel Mill Co Ltd</u>	Herat	(20)	STR					A new steel rolling mill started production in Afghanistan several years ago. The 20,000 tpy capacity Folang Steel Mill commenced operating in early January 2009 in Herat province. Built at a cost of USD 6.5m, the mill produces round bar, rebar and angles from billet, and is also making steel fixtures for buildings. The company plans to install its own meltshop for billet casting at a cost of USD 23m, though no timeframe appears to be set for this. Folang uses imported billet from Russia, Kazakhstan and Turkey.	SBB 05-Feb-09
BAHRAIN									
<u>Al-Tuwairqi Group's DRI plant project</u>					(Unlikely)	P			
				(600)	DR				
<u>SULB (Foulath & Yamato Kogyo JV)</u>	Al Hidd industrial area			970	(Firm)	2012-13		Bahraini steelmaker United Steel Company (SULB) secured funding for its new steelworks under construction in the north-eastern region of Al Hidd, Japanese sections producer and co-owner of SULB Yamato Kogyo announced on 4 April 2012. SULB, a 51-49% joint venture between Kuwaiti holding company Foulath and Tokyo-based Yamato Kogyo, is building a 1.5 million tpy capacity DRI plant, a 970,000 tpy melt shop and 600,000 tpy heavy sections mill for producing medium-to-large H-beams. Hot commissioning of the melt shop was scheduled for September 2012, while the DRI plant was expected to come on line in January 2013.	SBB 09-Apr-12

Economy: **OTHERS (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>United Stainless Steel Co (USCO)</u>	Hidd		(stainless steel) (90) Cold (strn)			P			
<u>Universal Rolling (Unirol)</u>	Hidd Industrial Area	(200)	STR						
KUWAIT									
<u>Gulf Steel Group of Companies (Kanoos Group)</u>				(100) (Unlikely)		P		India's Kanoos Group was investing in its Gulf Steel plant project in Kuwait while concentrating on a similar facility in the Kurdistan region of Iraq. The project involves a 100,000 tpy plant.	GURU 21-May-10
<u>Kuwait Pipe Industries & Oil Services Co (KPIOS)</u>	Sulaibiah Industrial Area	(225)	ERW	(288)	SAW				
					(Firm)		2013	Kuwaiti welded pipe producer Kuwait Pipe Industries & Oil Services Company (KPIOS) planned to more than double its production capacity with a new longitudinal submerged arc welded (LSAW) pipe mill, which was set to be commissioned in early 2013. KPIOS has a 225,000 tpy capacity of helical submerged arc welded (HSAW) pipe at its site in Safat, Kuwait City. The new LSAW pipe mill will have a 288,000 tpy capacity.	SBB 09-Apr-12
<u>Kuwait Reinforced Steel Manufacturing Co (Ali Al-Sarraf International Group)</u>	Shuaiba Industrial Area	(400)	STR						

Economy: **OTHERS (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>United Steel Industrial Co (Unisteel)</u>						P		
	Shuaiba Industrial Area	1200						
		(1200)	EF LF					
		(1200)	CC (billet)					
		(1100)	STR					
LEBANON								
<u>Consolidated Steel Lebanon SAL (CSL)</u>								
	Amchit							
		(300)	STR					
<u>Lebanon Steel Mill Co</u>								
	Tripoli	100						
		(100)	EF STR					
<u>Tramsteel s.a.l.</u>								
	Maad, Jbeil							
		(25)	ERW x 4					
OMAN								
<u>Al Jazeera Tube Mills Co</u>								
	Sohar Industrial Estate							
		(300)	ERW x 4					
		(300)	STR					

Economy: **OTHERS (4)**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>Shadeed Iron & Steel LLC. (Jindal Steel & Power Ltd Group.)</u>	Sohar			2000 (Firm)		P	2013-17	Shadeed Iron and Steel's DRI complex is currently undergoing a second phase of expansion, which involves the construction of a steel meltshop, including electric arc furnace, ladle furnace and continuous casting machine for billets and blooms. The 2m tpy meltshop was expected to be commissioned in the summer of 2013 with capacity to expand to 4-5m tpy by 2016. Shadeed Iron and Steel is also looking to add rolling mills for rebar, sections and pipe.	SBB 21-Feb-12 SBB 03-Jun-11
		(1500)	DR (MIDREX)	(3500) (2000)	DR EF LF CC (billet) CC (bloom) STR Pipe				
<u>Sharq Sohar Steel Rolling Mills</u>	Sohar Steel	250		450 (Firm)			2013	Idled United Arab Emirates rebar producer RAK Steel was planning to move its bar mill to Omani sister company Sharq Sohar Steel Rolling Mills to target construction growth in the country. RAK incurred substantial losses during the 2008 global economic crash and was idled in the second quarter of 2010 on account of market volatility and shrinking demand. Consequently, its 500,000 tpy rolling mill was intended to be transported across the border to Oman as part of Sharq Sohar Steel's expansion programme, designed to increase overall rebar capacity to 700,000 tpy. Sharq Sohar's existing 300,000 tpy rebar mill will in future roll only smaller diameters, thus reducing its capacity to 200,000-250,000 tpy. Meanwhile, neighbouring sister company and billet producer Sohar Steel is installing a new 80-tonne electric arc furnace that will boost its melting capacity from 250,000 tpy to around 700,000 tpy. The relocated rolling mill was scheduled to begin operating at the start of 2013, while the new melting capacity should have come on line in the middle of 2013.	SBB 22-Sep-11 MB 26-Sep-11 SBB 11-Jan-12
		(250)	EF LF	(450) (450)	EF CC (billet) STR				
		(250) (300)	CC (billet) STR	(400) (400)	CC (billet) STR				

NON-OECD EUROPE

Thousand tonnes per year

Economy	Nominal capacity										Crude steel production 2011	Apparent consumption 2011
	Exist 2011	Increase to 2014			Capacity in 2014			High				
		Firm	Possible	Unlikely	Mean	Low	High					
BOSNIA-HERZEGOVINA	1 000	0	0	800	1 000	1 000	1 000	1 000	649	659		
BULGARIA	3 240	0	0	100	3 240	3 240	3 240	3 240	835	1 230		
CROATIA	685	0	0	0	685	685	685	685	96	788		
MONTENEGRO	600	0	0	0	600	600	600	600	140	124		
ROMANIA	9 575	0	500	490	9 825	9 575	10 075	10 075	3 835	3 555		
SERBIA	2 700	0	0	0	2 700	2 700	2 700	2 700	1 324	468		
OTHERS	1 960	270	120	0	2 290	2 230	2 350	2 350	1 420	2 998		
TOTAL	19 760	270	620	1 390	20 340	20 030	20 650	20 650	8 297	9 822		

Note: Apparent consumption is in terms of crude steel.

Sources: OECD (for capacity) and the World Steel Association (for production and consumption)

Economy: **OTHERS (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
YEMEN								
<u>Al-Rahabi Trading Industrial Group</u>								
Yemen Steel Manufacturing Co Ltd		(120)	STR					
<u>Arab Iron & Steel Corp (AISCO YEMEN)</u>		100						
Aden Free Zone		(100)	IF					
		(100)	CC (billet)					
			STR					
<u>Mukalla Iron & Steel</u>	Sanaa				150 (Firm)	2012	Social unrest in Yemen forced Mukalla Iron & Steel to postpone the commissioning date of its new billet plant. Mukalla's plant is located in the north-eastern town of Hadhramaut and will be equipped with a 150,000 tpy melt shop, including two 18t induction furnaces processing scrap, a ladle furnace and a continuous caster for billet. The company planned on installing a 500,000 tpy rebar mill supplied by Siemens Metals Technologies at the site in the future.	SBB 06-Oct-11 NET
<u>Star Company (Chinese Yemeni JV)</u>	Hudaida	(70)	STR		(Unlikely)		Yemeni-Chinese rebar joint venture Star Company suspended production a few years ago owing to social unrest in Yemen. This also hampered plans to increase capacity to 150,000 tpy in the second phase of the project, which was supposed to be carried out in 2010, and then to 240,000-300,000 tpy in the third phase.	SBB 18-Feb-09 SBB 18-Oct-11

NON-OECD EUROPE

Thousand tonnes per year

Economy	Nominal capacity										Crude steel production 2011	Apparent consumption 2011
	Exist 2011	Increase to 2014			Capacity in 2014			High				
		Firm	Possible	Unlikely	Mean	Low	High					
BOSNIA-HERZEGOVINA	1 000	0	0	800	1 000	1 000	1 000	1 000	649	659		
BULGARIA	3 240	0	0	100	3 240	3 240	3 240	3 240	835	1 230		
CROATIA	685	0	0	0	685	685	685	685	96	788		
MONTENEGRO	600	0	0	0	600	600	600	600	140	124		
ROMANIA	9 575	0	500	490	9 825	9 575	10 075	10 075	3 835	3 555		
SERBIA	2 700	0	0	0	2 700	2 700	2 700	2 700	1 324	468		
OTHERS	1 960	270	120	0	2 290	2 230	2 350	2 350	1 420	2 998		
TOTAL	19 760	270	620	1 390	20 340	20 030	20 650	20 650	8 297	9 822		

Note: Apparent consumption is in terms of crude steel.

Sources: OECD (for capacity) and the World Steel Association (for production and consumption)

BOSNIA-HERZEGOVINA

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
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ArcelorMittal Zenica (formerly BH Steel)

Zenica

(800) (Unlikely)

P

1000

(1000) BF

(1000) LD

EF x 2

CC (billet)

(350) STR

(450) WR

EF

CC

Unis (Associated Metal Industry in Sarajevo)

Banja Luka

(115) Cold

Derventa

ERW

Economy: **BULGARIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Helios Metalurg</u>	Plovdiv		BTM STR WR Hot Cold	(100) (100)	(Unlikely) IF			Bulgarian rebar mill Helios Metalurg had previously been looking for partners in a project to commission a new 100,000 tpy induction furnace at its site in Plovdiv, adjacent to the company's existing 140,000 tpy rolling mill. In April 2011, Helios began construction of the building itself. The mill, which does not have a meltshop, purchases billets for re-rolling from external suppliers in the EU, Russia and Ukraine. The new furnace will ensure Helios' self-sufficiency of billet supply for its rebar mill.	SBB 24-Aug-11
<u>Kremikovtzi Corp</u>	Sofia-Botunetz	2150	BF x 3 LD x 3 EF x 2 LF CC (slab) x 2 SLM WR Hot Cold x 2 Tin plate HGL P'tg			S/P		Bulgaria-based Eltrade Company, the owner of idled Bulgarian steelworks Kremikovtzi, has been acquired by an offshore company registered in the British Virgin Islands. Eltrade has been sold by its former owner, Lachezar Varnadzhiev, to Bessian Management Limited, which itself is controlled by another offshore company Bun Sekretarial Limited. Varnadzhiev sold his shares on 24 June 2011, a local press report suggests. Eltrade Company was established in March in 2011 and acquired Kremikovtzi in April. Industry observers speculated that some operations at the plant could be restarted, or that some of its assets could be scrapped.	SBB 22-Jul-11
<u>Omega Ltd</u>	Sofia	(60)	ERW x 3						

Economy: **BULGARIA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Promet Steel JSC (Metinvest Group)</u>	Burgas	(400)	STR			P			
<u>Stomana Industry SA (Sidenor Group)</u>	Pernik	1090			(Unlikely)	P		Several years ago, Bulgarian steelmaker Stomana Industry announced a EUR 70m investment programme, which included the installation of a new electric arc furnace supported by a loan from the International Finance Corporation (IFC). The new EAF is likely to result in better utilisation of electric and natural gas consumption.	SBB 01-Dec-10
		(1090)	EF x 2 LF x 2		EF				
		(400)	CC (billet) CC (slab) Plate						
		(1000)	STR x 2						

Economy: **CROATIA**

Unit: thousand tonnes per year

Company	Plant or project	Existing capacity	Existing equipment	Increase capacity	Additional equipment	Ownership	Start-up date	Comments	Source
<u>CMC Sisak (formerly Zeljezara Sisak)</u>									
	Sisak	500				P		The prospects for Commercial Metals Co's (CMC) seamless tube mill in Croatia, CMC Sisak, remain unclear after the company announced plans to sell or close it. Local press reports in Croatia have suggested Croatian metal scrap company CIOS, 50% owned by Germany's Scholz AG, as a potential buyer of CMC Sisak.	SBB 13-Oct-11
		(500)	EF						
		(100)	CC (bloom)						
		(210)	SMLS x 2						
			ERW x 4						
<u>Zeljezara Split</u>									
	Split	185						The Croatian government was several years ago, reported to be preparing to hold a public auction to sell off the assets of bankrupt Croatian rebar mini-mill, Zeljezara Split. The Croatian government was asking for a minimum of EUR 10.3 million for the assets, local press reports suggested. Production from the plant's facilities could be restarted, although the plant's meltshop would eventually require investment in order to maximise output and improve the quality of the liquid steel.	SBB 21-Oct-11 SBB 16-Feb-10
		(185)	EF						
		(185)	LF						
		(170)	CC						
			STR						

Economy: **MONTENEGRO**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Zeljezara Niksic</u>	Niksic	600 (600)	(stainless steel) EF x 2 LF x 2 CC (billet) STR x 2 WR Cold				Zeljezara Niksic, a longs and speciality steels producer, entered bankruptcy protection in mid-April 2011.	MB 10-Jun-11

Economy: **ROMANIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
ArcelorMittal Galati (<u>formerly Sidex SA Galati</u>)	Galati	6400			(Unlikely)	P		ArcelorMittal Galati in Romania plans to invest over EUR 25m in technological upgrades and quality improvements at its No 2 plate mill. The replacement of the existing hot leveller with a new, more reliable unit will enable the plant to use X-grade steels to roll new types of plates, thus adding value. Other upgrade work will make it possible to roll plates longer than 15 metres, which will eventually allow ArcelorMittal Galati to enter new market sectors.	SBB 08-Apr-11
			(6300) BF x 5						
			(6400) LD x 6			Plate			
			(5060) CC (slab) x 4						
			(521) CC (bloom) x 5						
			(1000) BTM						
			(2700) Plate x 2						
			(3500) Hot						
			(1490) Cold						
			(200) HGL						
		(60) ERW							
ArcelorMittal Hunedoara (<u>formerly Siderurgica SA Hunedoara</u>)	Hunedoara	750				P		Romanian billet and sections producer	HP
			(750) EF					ArcelorMittal Hunedoara plans to construct a new rolling mill, worth EUR 45 million, to produce rolled profiles. The mill is part of a EUR 69 million investment programme spanning 2004-2011, but which was suspended in 2009 due to the effects of the global economic crisis. The programme is also designed to increase the plant's output of round billets in order to cover the needs of sister plant, seamless pipe maker	SBB 02-Feb-10
			LF					ArcelorMittal Roman. Crude steel production at Hunedoara will be increased to 700,000 tpy as a result.	
			(300) CC (bloom)						
			(200) CC (round)						
			(300) BLM						
			(500) BTM						
			(850) STR x 3						
			(280) WR						
ArcelorMittal Iasi (<u>formerly Tepro SA</u>)	Iasi					P		Mittal Steel Iasi, located in the industrial zone of Iasi, was established in 1963 and acquired by Mittal Steel during its privatisation in 2003.	HP
		(380) ERW							

Economy: **ROMANIA (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Arcelemittal Roman (formerly Petrotub SA)</u>	Roman	(400)	SMLS			P		Petrotub Roman was acquired by Mittal Steel during its privatisation in 2003.	HP
<u>Donasid (Tenaris Group)</u>	Calarasi	470	(470) EF LF CC (round) CC (bloom)			P		Several years ago, Romanian billet producer Donasid, owned by the tubemaking multinational Tenaris, secured a EUR 10 million loan from the European Bank for Reconstruction & Development (EBRD) to help finance a project to increase production levels from 300,000 tpy to their full potential of 450,000 tpy. The production increase would be achieved through technological upgrades to Donasid's existing EAF steelworks, formerly part of the large Siderca Calarasi steelmaking complex. The funding will go to increasing efficiency, enhancing billet quality and more effective use of existing capacity. Steel billets produced by the company are mainly sold to Tenaris' other Romanian subsidiary Silcotub, in Zalau, where they are used to produce seamless pipe.	SBB 22-Jan-07
<u>Ductil Steel SA (Mechel Group)</u>	Buzau	(300)	WR			P		Russia's Mechel acquired a 100% stake in a Romanian steelmaker Ductil Steel in 2008.	HP

Economy: **ROMANIA (3)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
	Otelu Rosu	810		(490)	(Unlikely)		Russian miner and steelmaker Mechel has completed the first stage of modernisation at its Romanian subsidiary Ductil Steel Otelu Rosu. The investment (worth USD 48.7 million) includes a new electric arc furnace and an upgraded continuous billet caster. The launch of the upgraded meltshop marks the completion of the first stage of Otelu Rosu's modernisation started in 2009. The remaining two stages will allow the plant to achieve steel production capacity of 1.3 million tpy.	SBB 08-Jun-11
<u>Erdemir Romania</u>	Targoviste	(810)	EF CC (billet)	(490)	Steelmkg			
						P		
<u>Euro Steel Industries (formerly HeliTube)</u>	Galati		Silicon					
<u>Galfinband SA</u>	Galati		SAW			P		
			Cold HGL Ptg					
<u>Grantmetal SA</u>			ERW				Grantmetal SA is a pipe and steel cable producer.	NET

Economy: **ROMANIA (4)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Inffor SA (Profiland Group)</u>	Galati							
		(150)	Cold HGL P'lg ERW					
<u>Lamdro SA (formerly Intreprinderea Metallurgica)</u>								
		(450)	STR x 2				German steel group Max Aicher acquired Lamdro SA in 2000.	
<u>Laminorul Braila</u>	Braila					P		
		(380)	STR x 2					
<u>Laminorul SA Focsani</u>								
		(240)	STR				Metanef SA, a Romanian trading house, purchased Laminorul SA Focsani in 1998.	

Economy: **ROMANIA (5)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Liberty Commodities</u>	Oltenita			500 (Possible) (500)	EF STR CC (billet)	P	2012	The UK and Nigeria-based Gupta family – the owner of steel trading group Liberty Commodities Ltd - intended to commission its new steel plant. Transdanube Industries, in Oltenita, southern Romania, by the end of 2012. The new mini-mill will produce light long products. Construction has begun on the 20 hectare site of the old Turol casting plant, purchased by Liberty for EUR 16 million from a private investor in 2007. The plant, which is expected to cost EUR 150 million, will be equipped with a 70-tonne electric-arc furnace with continuous scrap charging technology supplied by Tenova as well as a Danieli rolling mill that will produce rebar. A spooler and light sections production operations will be added later. The melt shop is expected to produce 500,000 tpy of billet.	SBB 14-Jul-10 SO 25-Sep-09
<u>Mechel Campia Turzii (Mechel Group)</u>	Campia Turzii		WR			P		Mechel acquired Campia Turzii in 2003. Campia Turzii has a capacity of some 300,000 tonnes/year of steel products. It produces rolled products in carbon and low-alloy steels for machinery manufacturers, as well as rebar, wire rod and long drawn products, including various kinds of steel wire, cable, mesh, electrical cable and nails. One arc-furnace melting workshop and two rolling mills were taken off-line in the course of reorganization of the production line at Mechel Campia Turzii.	SBB 14-May-10 HP

Economy: **ROMANIA (6)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
<u>Mechel Targoviste SA (formerly Cost SA)</u>	Targoviste	550	(special steel) EF CC (billet) BLM			P			
		(550)							
		(780)	STR x 2						
<u>Otelinox SA Targoviste</u>	Targoviste		(stainless steel) WR Cold (strn)			S/P		Samsung Deutschland, a subsidiary of Samsung C&T Corp in Seoul, has owned Otelinox since 1997. The Koreans increased their holding to 94% in 2006.	SBB 17-Jun-08
		145							
<u>Silcotub SA (Tenaris Group)</u>	Zalau, Salaj					P			
		(180)	SMLS						
<u>TMK-Artrom SA (TMK Group)</u>	Slatina, Olt					P			
		(200)	SMLS						
<u>TMK-Resita SA (TMK Group)</u>	Resita	450	EF CC (round)			P			

Economy: **ROMANIA (7)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
<u>Tubinox SA (Viraj Group)</u>	Bucharest		(stainless steel) SMLS			P		
<u>Zimtub SA</u>	Zimnicea	(36) (12)	SAW ERW					

Economy: **SERBIA**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
<u>Metalfel Steel Mill</u>	Sremska Mitrovica	(250)	STR			P		
<u>Sirmium Steel</u>	New billet mill project	500				P		
		(500)	EF					
		(500)	CC (billet)					
<u>US Steel Serbia (formerly Sarrtid)</u>						P		
	Sabac							
	Smederevo	(120)	Tin Plate					
		2200						
		(1800)	BF x 2					
		(2200)	LD x 3					
			CC (slab) x 2					
		(2400)	Hot					
		(1600)	Cold x 2					

Economy: **OTHERS**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
						<u>Start-up date</u>		
ALBANIA								
<u>Kurum International</u>	Eibasan	900				P		
		(900)	EF LF					
		(670)	CC (billet) STR					
CYPRUS								
<u>BMS Metal Pipes Industries</u>								
	Anatolikon, Paphos	(15)	ERW					
LATVIA								
<u>Liepajas Metalurgs</u>	Liepaja	540			270 (Firm)	P	2011-12 In the first half of 2011, Liepajas Metalurgs invested EUR 36.4 million in the construction of an electric arc furnace (EAF). The installation of the EAF and a new rolling mill was scheduled for autumn 2011.	SBB 16-Aug-11 MB 05-Oct-07
		(540)	OH x 3		(810) EF			
		(540)	CC (billet) x 2		LF			
		(500)	STR		(270) CC (billet)			
		(300)	WR		(400) STR			

Economy: **OTHERS (2)**

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Start-up date</u>	<u>Comments</u>	<u>Source</u>
LITHUANIA									
<u>AV-Stal</u>	Micro-mill project			120 (Possible) (120) EF		P	2012	New Russian steel venture AV-Stal intended to construct a micro-mill in Lithuania, which will produce construction grade long products. Construction of the new mill, which costs around EUR 30 million, began in mid-2010 and was scheduled to be completed within two years. It is expected to have a capacity of 120,000 tpy of steel and will exclusively supply the Lithuanian market, which currently relies on imports as it does not have a domestic producer. The company estimates that there is sufficient scrap available in the local market to feed the mill. The new mill will be a replica of another project being undertaken by AV-Stal – the new Surovikinsky long products mill currently being constructed in Russia's southern region of Volgograd.	SBB 11-Nov-09
MACEDONIA									
<u>ArcelorMittal Skopje</u>	Skopje	(1200) Hot (1000) Cold (150) HGL (15) P'tg				P			
<u>Makstil A.D. Dufferco Group</u>	Skopje	520				P			
		(520) EF LF (850) CC (slab) (430) Plate							

OTHERS (3)

Economy:

Unit: thousand tonnes per year

<u>Company</u>	<u>Plant or project</u>	<u>Existing capacity</u>	<u>Existing equipment</u>	<u>Increase capacity</u>	<u>Additional equipment</u>	<u>Ownership</u>	<u>Comments</u>	<u>Source</u>
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Developments in Steelmaking Capacity of Non-OECD Economies

This publication is a two-yearly report on trends in the steelmaking capacity of economies that are not members of the OECD. This report examines existing steelmaking capacity and investments that will lead to changes in capacity by 2014.

Developments in Steelmaking Capacity of Non-OECD Economies includes an appendix containing detailed information on an economy-by-economy basis, showing existing facilities, their equipment and capacity, as well as each company's planned investments. Information is also provided on the starting date of planned projects, the ownership status of the steel plants, the progress of projects, recent changes at existing works, and, where known, the financing of projects.

Les capacités de production d'acier dans les économies non membres de l'OCDE

Cette publication biennale présente les tendances d'évolution des capacités de production d'acier dans les économies non membres de l'OCDE. Le présent rapport fait donc le point sur les capacités actuelles de production d'acier et sur les investissements qui entraîneront une évolution des capacités de production d'ici 2014.

Les capacités de production d'acier dans les économies non membres de l'OCDE comprend un appendice qui donne des informations détaillées par économie, indiquant les usines, leurs équipements et leurs capacités de production, ainsi que les investissements prévus pour chaque entreprise. L'appendice décrit aussi l'entrée en service prévue pour les projets, la structure actionnariale des aciéries, l'état d'avancement des projets, les modifications apportées récemment au calendrier des travaux ainsi que, lorsqu'elles sont connues, les modalités de financement des projets.

Consult this publication on line at http://dx.doi.org/10.1787/steel_non-oecd-2013-en-fr.

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ISBN 978-92-64-19438-0
58 2013 01 3 P



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